

Report No.:

Test Time: 2023/9/5 17:49

Luminaire Property

Luminaire Manufacturer: ACOLYTE

Luminaire Category: CHANNEL

Luminaire Description: CHAC3C90SWS2203.030

Luminous Length (mm): 500

Luminous Width (mm): 18.8

Luminous Height (mm): 18.8

Voltage: 24.0 V

Current: 0.204 A

Power: 4.93 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 408.4 lm

Downward Ratio: 93%

Horizontal Diffuse Angle(10%,50%): H158.2,H112.3

Vertical Diffuse Angle(10%,50%): V163.7,V99.7

Luminaire Efficacy Rating (LER): 83

Max. Intensity: 192.53 cd

Total Rated Lamp Lumens: 408.4 lm

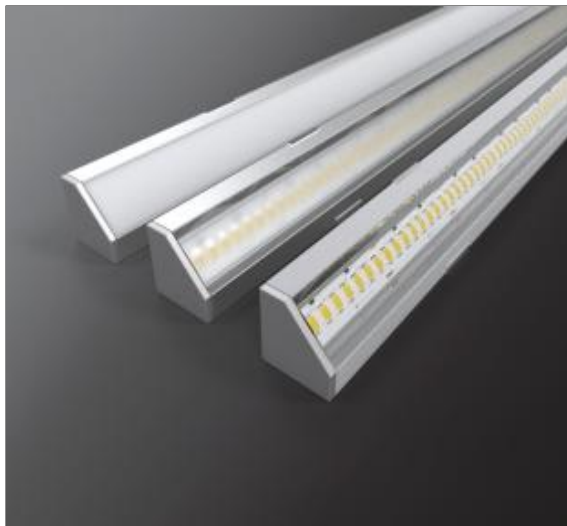
Efficiency: 100%

Upward Ratio: 7%

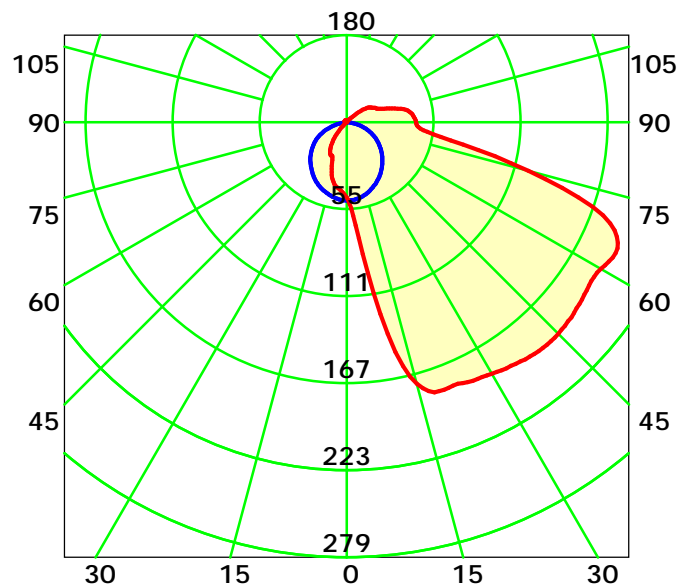
Central Intensity: 50.43 cd

Pos of Max. Intensity: H90 V44

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 106.0° Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0: 1.0

Test Device: GPM-1800B

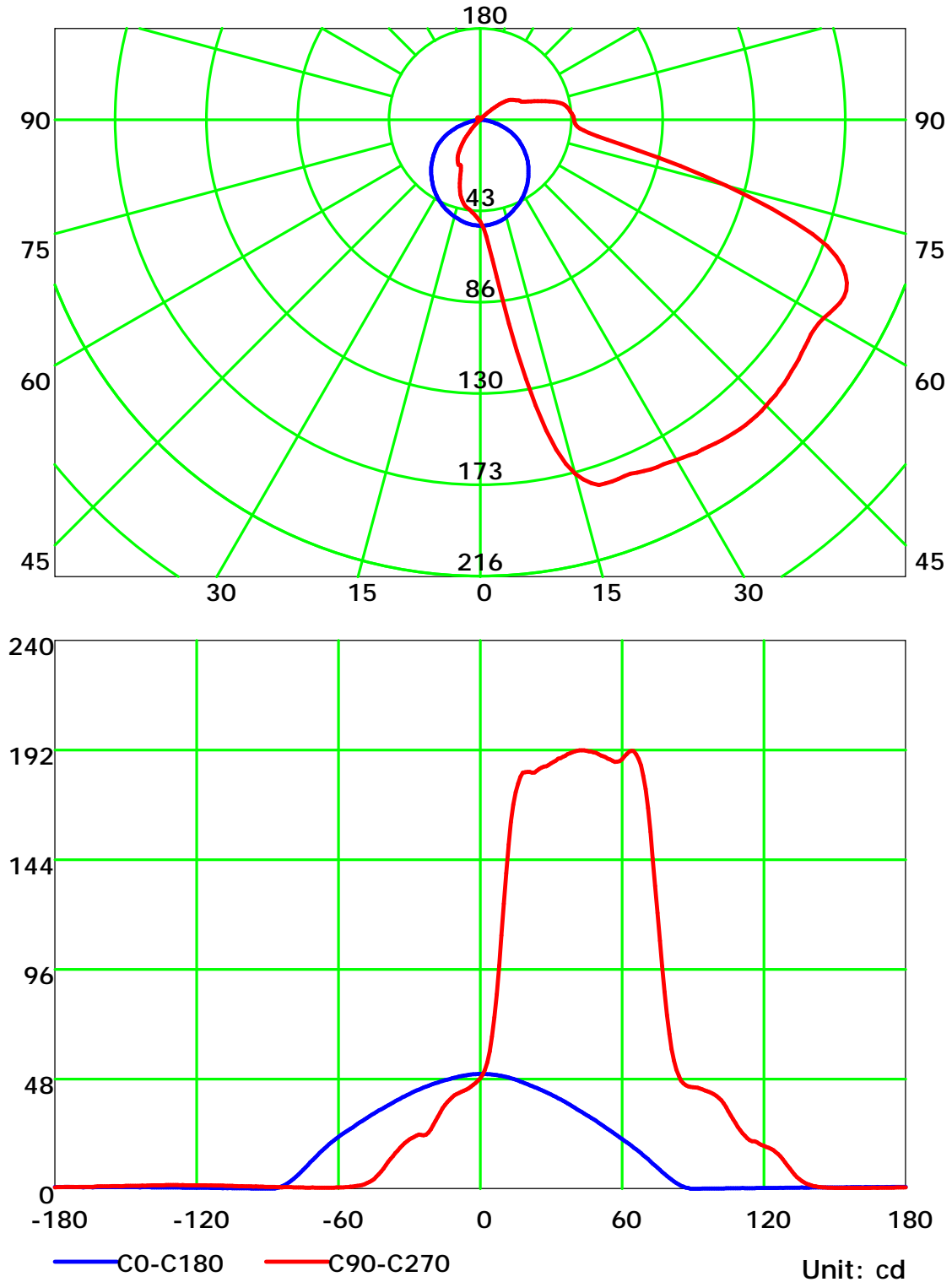
Distance: 9.028 m

Humidity: 60%

Inspector:



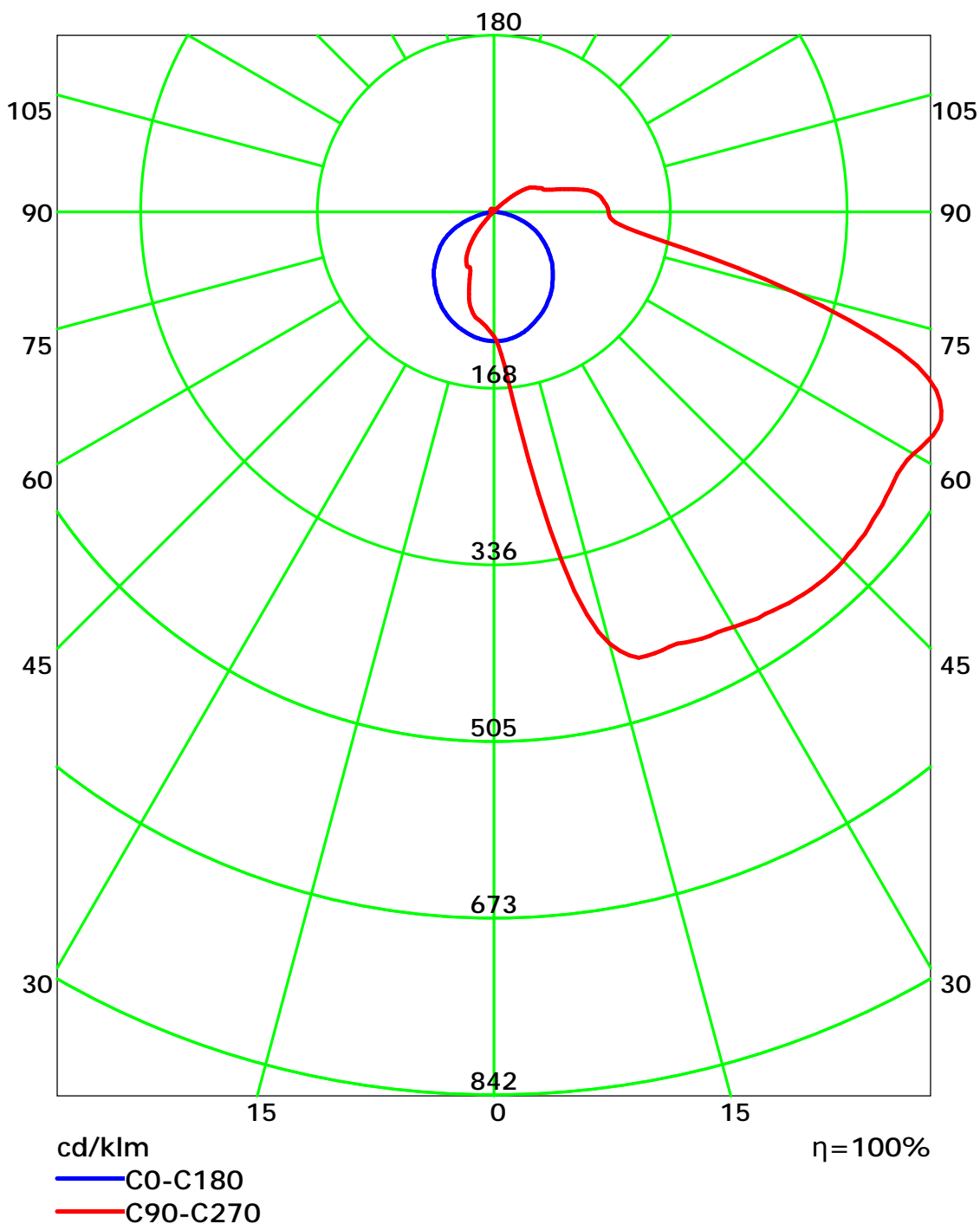
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

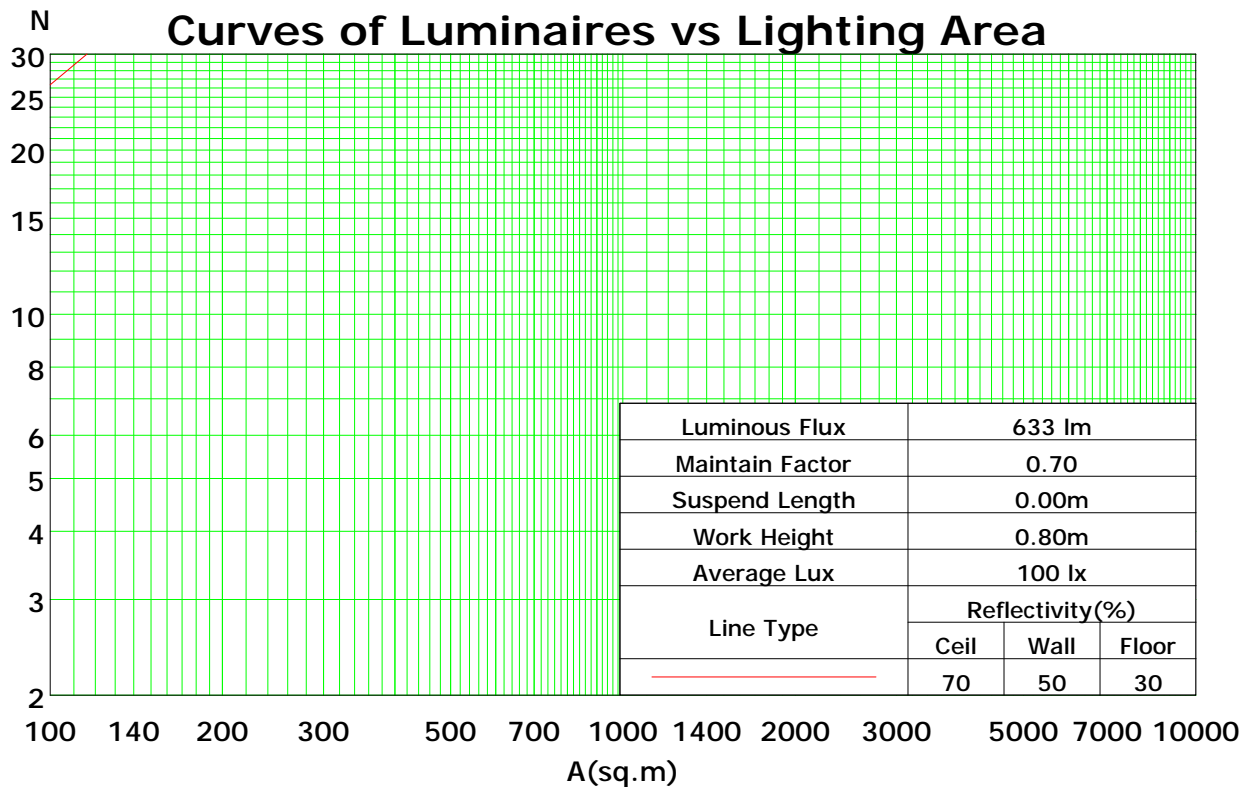
Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	104	99	93	89	101	95	91	86	90	86	82	84	81	78	80	77	75	72
2	93	84	76	69	90	81	74	67	76	70	65	72	66	62	67	63	59	57
3	84	72	63	55	81	70	61	54	65	58	52	62	55	50	58	53	48	46
4	76	63	53	45	73	61	52	45	57	49	43	54	47	42	51	45	40	38
5	69	55	45	38	67	54	44	37	51	42	36	48	41	35	45	39	34	32
6	64	49	39	32	61	48	39	32	45	37	31	43	36	30	40	34	29	27
7	59	44	35	28	56	43	34	28	41	33	27	38	31	26	36	30	25	23
8	54	40	31	25	52	39	30	24	37	29	24	35	28	23	33	27	22	20
9	51	36	28	22	49	35	27	21	34	26	21	32	25	20	31	24	20	18
10	47	33	25	19	46	33	25	19	31	24	19	30	23	18	28	22	18	16

Spacing Criteria (0-180): 1.23

Spacing Criteria (90-270): 2.45

Spacing Criteria (Diagonal): 2.14



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0: 1.0

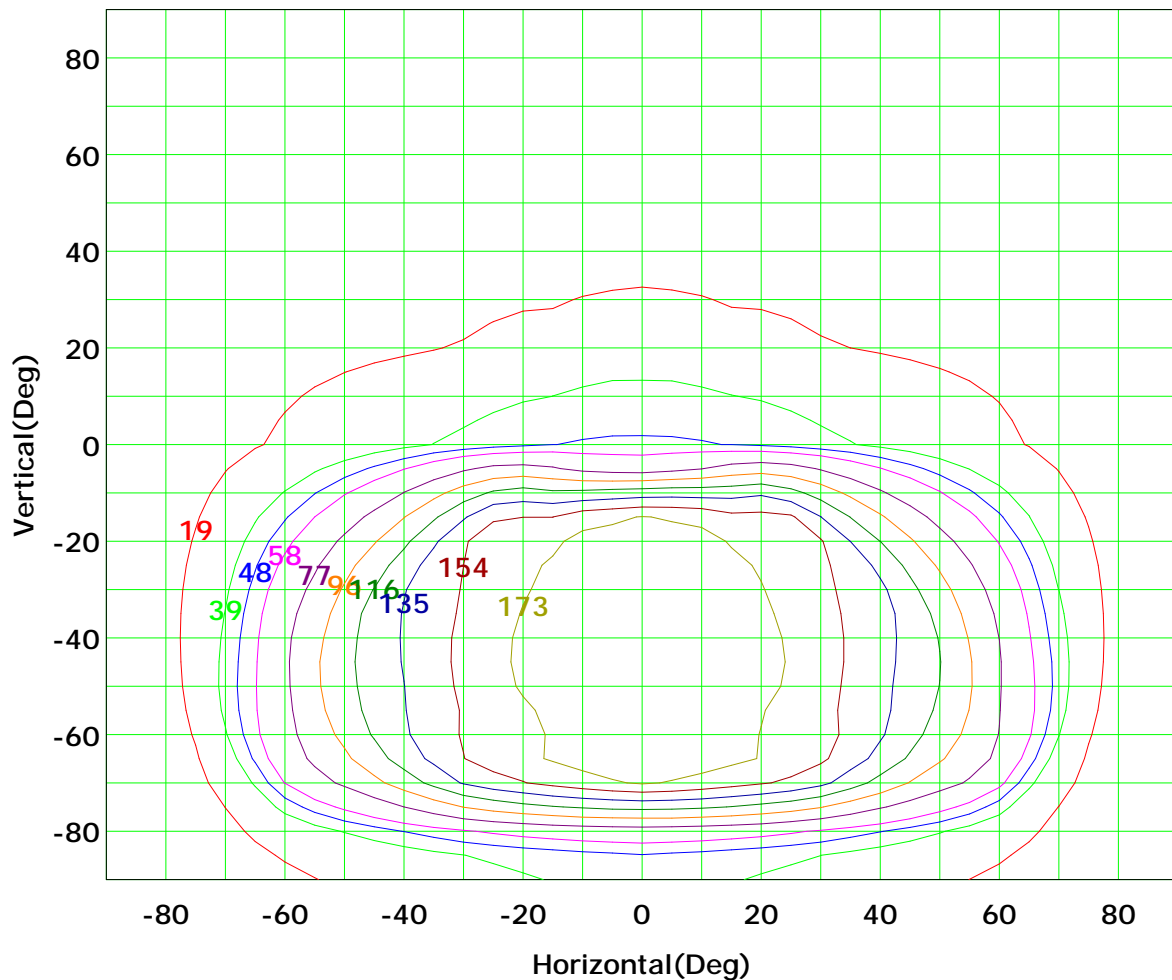
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



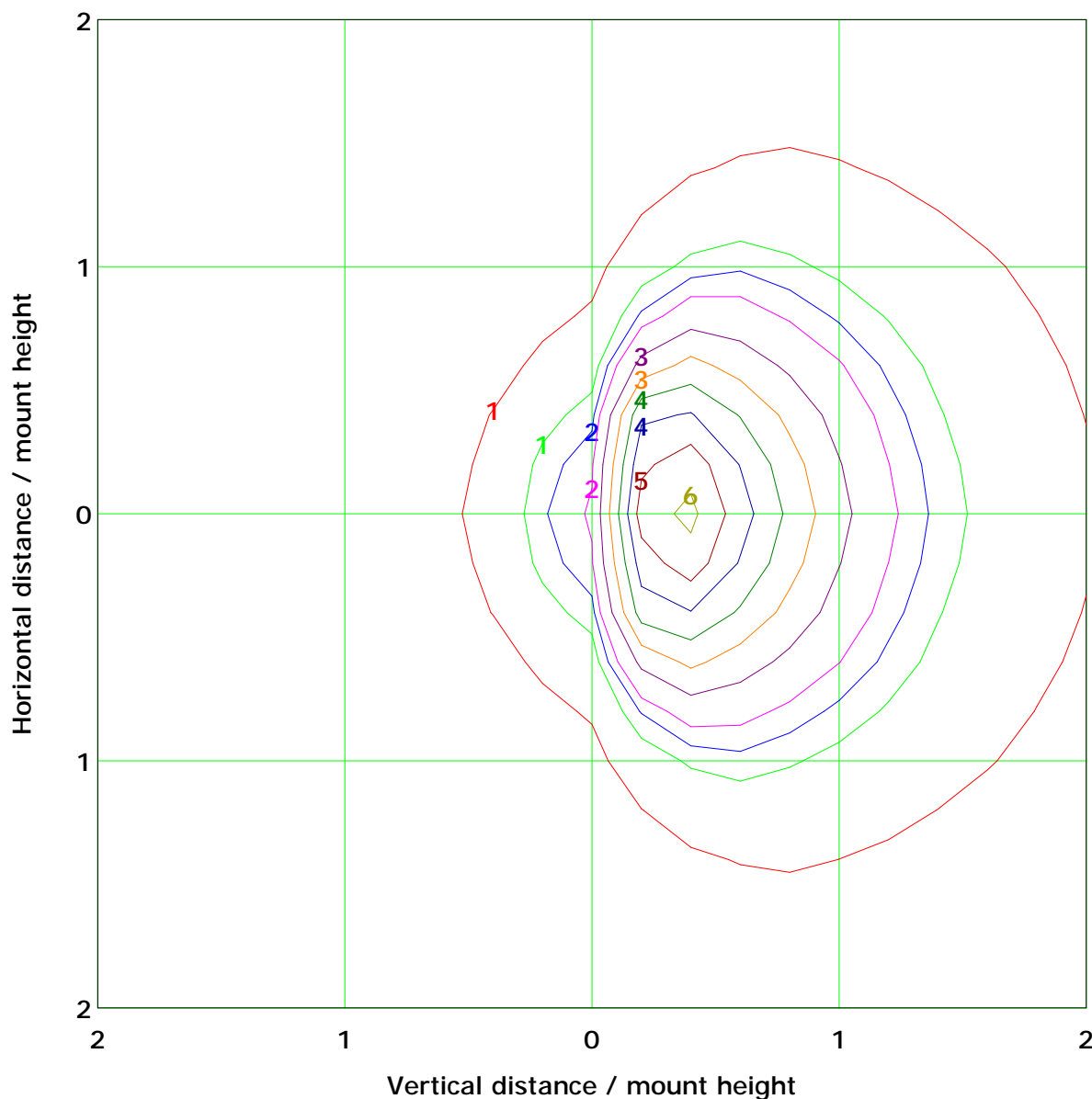
I_{max} (100%): 193 cd

(10%): 19 cd	(20%): 39 cd
(25%): 48 cd	(30%): 58 cd
(40%): 77 cd	(50%): 96 cd
(60%): 116 cd	(70%): 135 cd
(80%): 154 cd	(90%): 173 cd

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 6.3 lx

(10%): 0.6 lx	(20%): 1.3 lx
(25%): 1.6 lx	(30%): 1.9 lx
(40%): 2.5 lx	(50%): 3.2 lx
(60%): 3.8 lx	(70%): 4.4 lx
(80%): 5.1 lx	(90%): 5.7 lx

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

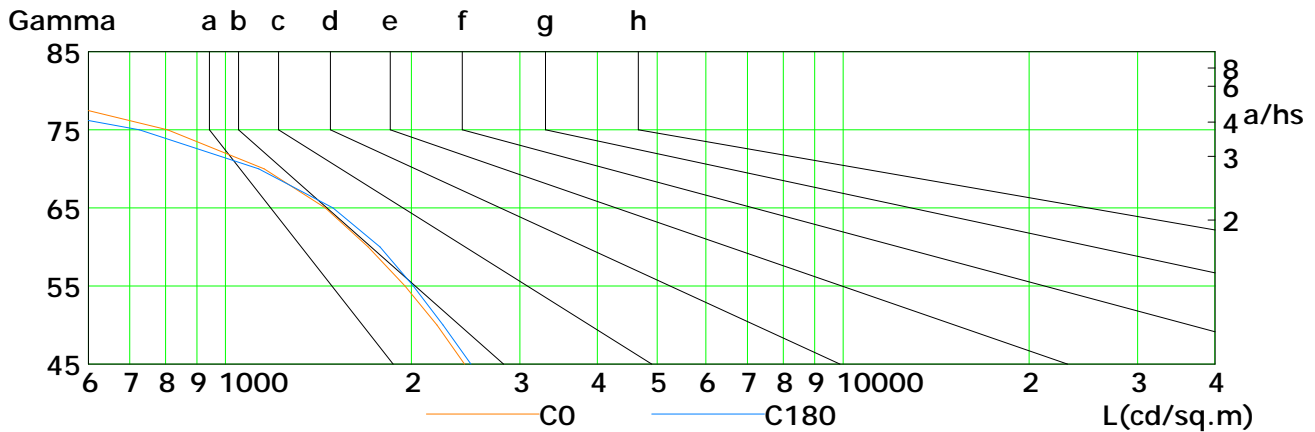
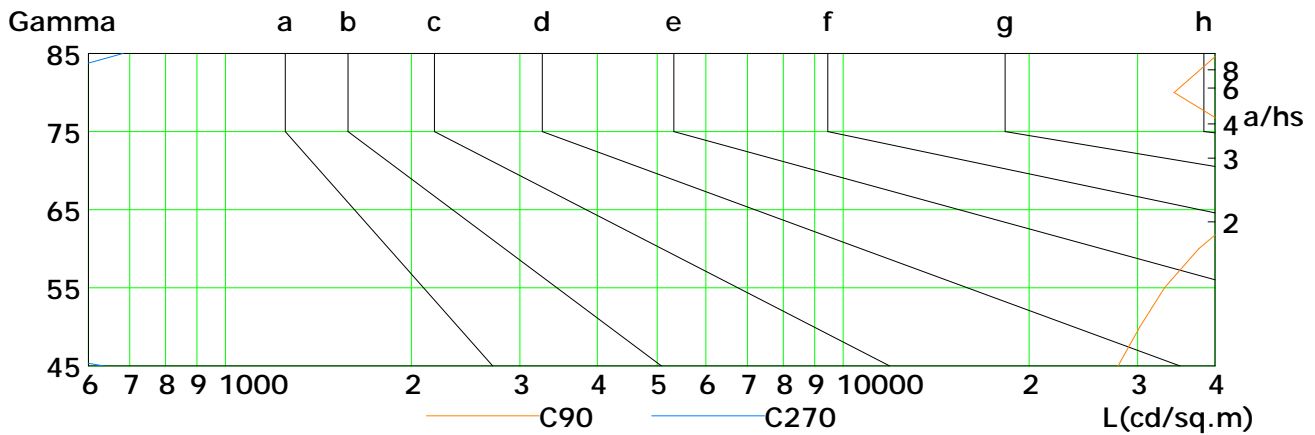
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h

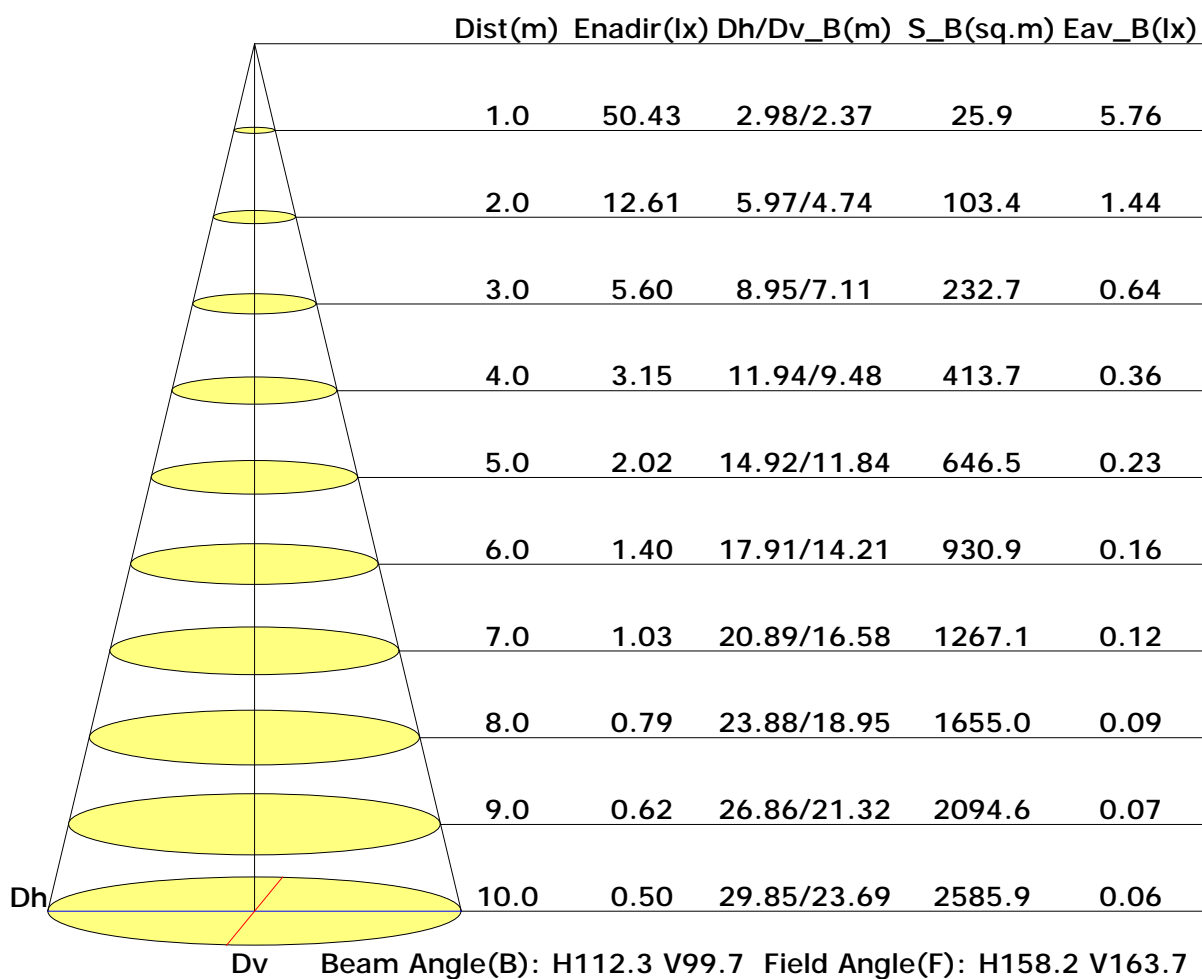


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2438	2202	1954	1703	1451	1156	806	444	131
C90	27880	30224	33162	37668	44746	49471	43665	34342	40568
C180	2497	2252	2016	1780	1494	1132	726	332	62
C270	635	272	169	136	128	158	223	399	683

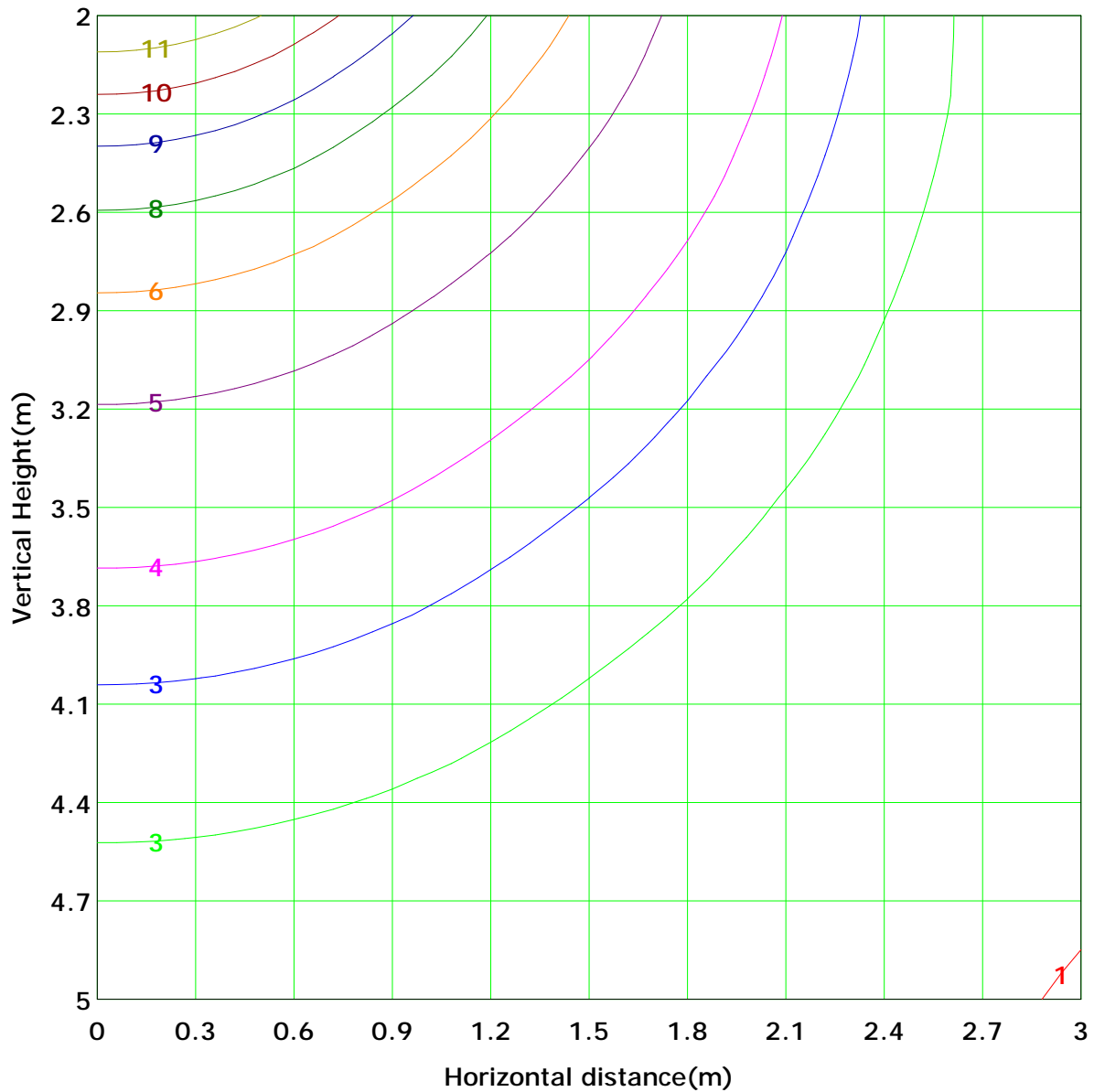
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 12.6 lx
(10%): 1.3 lx	(20%): 2.5 lx	
(25%): 3.2 lx	(30%): 3.8 lx	
(40%): 5.0 lx	(50%): 6.3 lx	
(60%): 7.6 lx	(70%): 8.8 lx	
(80%): 10.1 lx	(90%): 11.3 lx	

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Area Flux Table

Unit: lm

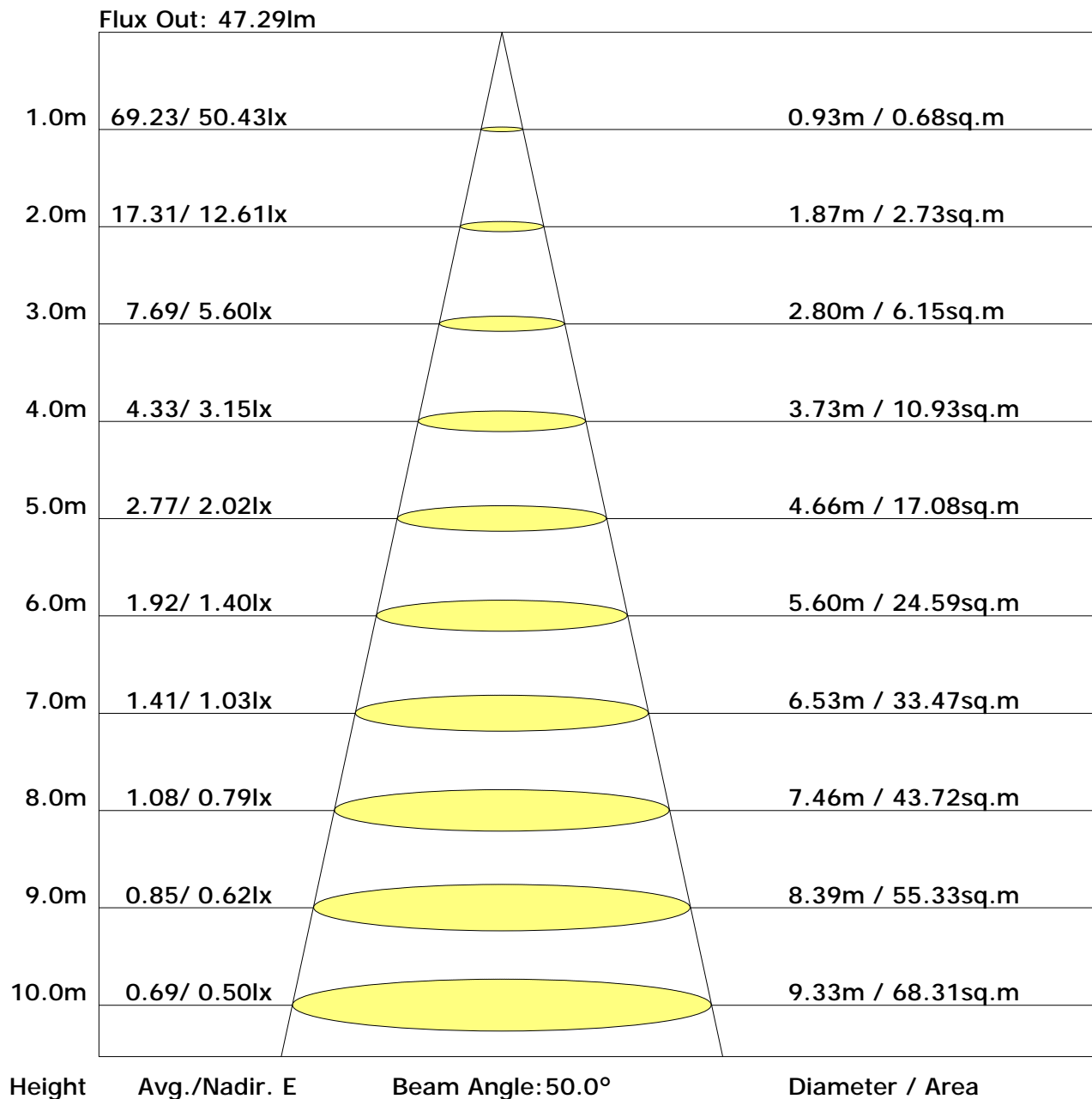
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	
	-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	5.9	12.2	19.8	28.4	36.6	41.7	44.5	44.3	41.1	378	
	-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	5.9	12.2	19.8	28.4	36.6	41.7	44.5	44.3	41.1	378	
	-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	5.9	12.2	19.8	28.4	36.6	41.7	44.5	44.3	41.1	378	
	-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	5.9	12.2	19.8	28.4	36.6	41.7	44.5	44.3	41.1	378	
	-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	5.9	12.2	19.8	28.4	36.6	41.7	44.5	44.3	41.1	378	
	-30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	5.9	12.2	19.8	28.4	36.6	41.7	44.5	44.3	41.1	378	
	-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	5.9	12.2	19.8	28.4	36.6	41.7	44.5	44.3	41.1	378	
	-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	5.9	12.2	19.8	28.4	36.6	41.7	44.5	44.3	41.1	378	
	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	5.9	12.2	19.8	28.4	36.6	41.7	44.5	44.3	41.1	378	
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	5.9	12.2	19.8	28.4	36.6	41.7	44.5	44.3	41.1	378	
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	5.9	12.2	19.8	28.4	36.6	41.7	44.5	44.3	41.1	378	
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	5.9	12.2	19.8	28.4	36.6	41.7	44.5	44.3	41.1	378	
	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	5.9	12.2	19.8	28.4	36.6	41.7	44.5	44.3	41.1	378	
	50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	5.9	12.2	19.8	28.4	36.6	41.7	44.5	44.3	41.1	378	
	60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	5.9	12.2	19.8	28.4	36.6	41.7	44.5	44.3	41.1	378	
	70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	5.9	12.2	19.8	28.4	36.6	41.7	44.5	44.3	41.1	378	
	80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	5.9	12.2	19.8	28.4	36.6	41.7	44.5	44.3	41.1	378	
	90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	5.9	12.2	19.8	28.4	36.6	41.7	44.5	44.3	41.1	378	
	Flux(E)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	366	

C Plane (°): 0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	21.4	23.0	21.9	23.5	24.0	27.3	29.0	27.8	29.4	29.9
3H	22.9	24.4	23.4	24.8	25.4	30.2	31.7	30.7	32.1	32.7
4H	23.4	24.8	23.9	25.3	25.8	31.0	32.4	31.5	32.9	33.4
6H	23.7	25.0	24.2	25.5	26.1	31.4	32.7	31.9	33.2	33.8
8H	23.8	25.0	24.3	25.6	26.1	31.5	32.7	32.0	33.3	33.8
12H	23.8	25.0	24.3	25.5	26.1	31.6	32.8	32.1	33.3	33.9
X=4H Y=2H	23.1	24.5	23.6	25.0	25.6	28.0	29.4	28.5	29.9	30.4
3H	25.1	26.3	25.6	26.8	27.4	31.1	32.3	31.6	32.8	33.4
4H	25.9	27.0	26.4	27.5	28.1	32.0	33.1	32.6	33.7	34.3
6H	26.4	27.4	27.0	27.9	28.6	32.5	33.5	33.1	34.1	34.7
8H	26.5	27.4	27.1	28.0	28.6	32.7	33.6	33.2	34.1	34.8
12H	26.5	27.4	27.1	28.0	28.6	32.8	33.6	33.4	34.2	34.8
X=8H Y=4H	26.8	27.7	27.4	28.3	28.9	32.3	33.2	32.9	33.8	34.4
6H	27.6	28.4	28.2	29.0	29.6	32.9	33.7	33.5	34.3	34.9
8H	27.8	28.5	28.4	29.2	29.8	33.1	33.8	33.7	34.4	35.0
12H	28.0	28.6	28.6	29.2	29.9	33.3	33.9	33.9	34.5	35.2
X=12H Y=4H	26.9	27.7	27.5	28.3	29.0	32.3	33.2	32.9	33.8	34.4
6H	27.8	28.5	28.4	29.1	29.7	33.0	33.7	33.6	34.2	34.9
8H	28.1	28.7	28.7	29.3	30.0	33.2	33.8	33.8	34.4	35.1

Calculate in accordance with CIE 190:2010

C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Nick

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 9.028 m
 Humidity: 60%
 Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 2.00									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	NA	0.62	0.68	0.73	0.81	0.86	0.90	0.95	0.98	
	0.30		NA	0.54	0.60	0.65	0.74	0.80	0.84	0.90	0.94	
	0.20		NA	0.48	0.53	0.59	0.68	0.74	0.79	0.86	0.90	
0.50	0.50	0.20	NA	0.59	0.64	0.69	0.76	0.81	0.85	0.89	0.92	
	0.30		NA	0.52	0.57	0.63	0.71	0.76	0.80	0.85	0.89	
	0.20		NA	0.47	0.52	0.57	0.66	0.72	0.76	0.82	0.86	
0.30	0.50	0.20	NA	0.56	0.61	0.65	0.72	0.77	0.80	0.84	0.87	
	0.30		NA	0.50	0.55	0.60	0.68	0.73	0.76	0.81	0.84	
	0.20		NA	0.45	0.50	0.55	0.63	0.69	0.73	0.78	0.82	
0.00	0.00	0.00	NA	0.42	0.47	0.51	0.59	0.64	0.67	0.72	0.75	
Rating:5W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 2.00									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	NA	0.86	0.76	0.67	0.54	0.45	0.39	0.31	0.26	
	0.30		NA	0.73	0.66	0.59	0.49	0.42	0.36	0.29	0.24	
	0.20		NA	0.64	0.59	0.53	0.45	0.38	0.34	0.28	0.23	
0.50	0.50	0.20	NA	0.81	0.72	0.64	0.51	0.46	0.37	0.29	0.24	
	0.30		NA	0.71	0.63	0.57	0.47	0.40	0.35	0.28	0.23	
	0.20		NA	0.62	0.57	0.52	0.43	0.37	0.33	0.26	0.22	
0.30	0.50	0.20	NA	0.77	0.68	0.60	0.48	0.41	0.35	0.28	0.23	
	0.30		NA	0.68	0.61	0.55	0.45	0.38	0.33	0.26	0.22	
	0.20		NA	0.61	0.55	0.50	0.41	0.36	0.31	0.25	0.21	
0.00	0.00	0.00	0.92	0.50	0.46	0.41	0.34	0.29	0.25	0.20	0.17	
Rating:5W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 2.00								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	NA	0.25	0.26	0.27	0.28	0.28	0.28	0.29	0.29
	0.30		NA	0.18	0.20	0.21	0.22	0.23	0.24	0.25	0.26
	0.20		NA	0.13	0.15	0.16	0.18	0.19	0.20	0.22	0.23
0.50	0.50	0.20	NA	0.24	0.25	0.26	0.27	0.27	0.27	0.28	0.28
	0.30		NA	0.18	0.19	0.20	0.21	0.22	0.23	0.24	0.25
	0.20		NA	0.13	0.14	0.15	0.17	0.19	0.20	0.21	0.23
0.30	0.50	0.20	NA	0.23	0.24	0.25	0.25	0.26	0.26	0.27	0.27
	0.30		NA	0.18	0.19	0.20	0.21	0.22	0.23	0.24	0.24
	0.20		NA	0.13	0.14	0.15	0.17	0.18	0.19	0.21	0.22
0.00	0.00	0.00	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Rating:5W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980											

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	49.3	0.0	0.0	0.01	0.01
1.0-2.0	49.6	0.1	0.2	0.03	0.05
2.0-3.0	50.1	0.2	0.4	0.06	0.11
3.0-4.0	50.9	0.3	0.8	0.08	0.19
4.0-5.0	52.1	0.4	1.2	0.11	0.30
5.0-6.0	53.7	0.6	1.8	0.14	0.44
6.0-7.0	55.8	0.7	2.5	0.17	0.61
7.0-8.0	58.4	0.8	3.3	0.20	0.81
8.0-9.0	61.5	1.0	4.3	0.24	1.06
9.0-10.0	64.8	1.2	5.5	0.29	1.34
10.0-11.0	68.3	1.4	6.8	0.33	1.68
11.0-12.0	71.9	1.6	8.4	0.39	2.06
12.0-13.0	75.3	1.8	10.2	0.44	2.50
13.0-14.0	78.4	2.0	12.2	0.49	2.99
14.0-15.0	81.0	2.2	14.4	0.54	3.54
15.0-16.0	83.1	2.4	16.9	0.60	4.13
16.0-17.0	84.9	2.6	19.5	0.65	4.78
17.0-18.0	86.2	2.8	22.4	0.70	5.48
18.0-19.0	87.3	3.0	25.4	0.74	6.22
19.0-20.0	88.1	3.2	28.6	0.79	7.01
20.0-21.0	88.6	3.4	32.0	0.83	7.84
21.0-22.0	88.9	3.6	35.6	0.87	8.72
22.0-23.0	89.0	3.7	39.3	0.91	9.63
23.0-24.0	89.2	3.9	43.2	0.95	10.59
24.0-25.0	89.2	4.1	47.3	0.99	11.58
25.0-26.0	89.2	4.2	51.5	1.03	12.61
26.0-27.0	89.2	4.4	55.9	1.07	13.68
27.0-28.0	89.0	4.5	60.4	1.10	14.78
28.0-29.0	88.9	4.6	65.0	1.14	15.92
29.0-30.0	88.6	4.8	69.8	1.17	17.09
30.0-31.0	88.2	4.9	74.7	1.20	18.30
31.0-32.0	87.6	5.0	79.7	1.23	19.53
32.0-33.0	87.1	5.1	84.9	1.26	20.78
33.0-34.0	86.5	5.2	90.1	1.28	22.06
34.0-35.0	85.8	5.3	95.4	1.30	23.37
35.0-36.0	85.1	5.4	100.8	1.33	24.70

C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Nick

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 9.028 m
 Humidity: 60%
 Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	84.4	5.5	106.4	1.35	26.04
37.0-38.0	83.6	5.6	111.9	1.37	27.41
38.0-39.0	82.8	5.7	117.6	1.38	28.80
39.0-40.0	82.1	5.7	123.3	1.40	30.20
40.0-41.0	81.4	5.8	129.1	1.42	31.62
41.0-42.0	80.6	5.9	135.0	1.43	33.05
42.0-43.0	79.9	5.9	140.9	1.45	34.50
43.0-44.0	79.2	6.0	146.9	1.46	35.96
44.0-45.0	78.5	6.0	152.9	1.48	37.44
45.0-46.0	77.7	6.1	159.0	1.49	38.93
46.0-47.0	77.0	6.1	165.1	1.50	40.43
47.0-48.0	76.3	6.2	171.3	1.51	41.94
48.0-49.0	75.6	6.2	177.5	1.52	43.46
49.0-50.0	74.9	6.2	183.7	1.53	44.99
50.0-51.0	74.2	6.3	190.0	1.54	46.53
51.0-52.0	73.5	6.3	196.3	1.54	48.07
52.0-53.0	72.7	6.3	202.6	1.55	49.62
53.0-54.0	72.0	6.3	209.0	1.55	51.18
54.0-55.0	71.3	6.4	215.4	1.56	52.74
55.0-56.0	70.5	6.4	221.7	1.56	54.30
56.0-57.0	69.8	6.4	228.1	1.56	55.86
57.0-58.0	69.1	6.4	234.5	1.56	57.42
58.0-59.0	68.4	6.4	240.9	1.57	58.99
59.0-60.0	67.8	6.4	247.3	1.57	60.56
60.0-61.0	67.2	6.4	253.7	1.57	62.13
61.0-62.0	66.7	6.4	260.1	1.57	63.70
62.0-63.0	66.2	6.4	266.6	1.58	65.28
63.0-64.0	65.8	6.5	273.0	1.58	66.86
64.0-65.0	65.3	6.5	279.5	1.58	68.44
65.0-66.0	64.7	6.5	285.9	1.58	70.02
66.0-67.0	63.8	6.4	292.4	1.57	71.59
67.0-68.0	62.8	6.4	298.7	1.56	73.15
68.0-69.0	61.6	6.3	305.0	1.54	74.69
69.0-70.0	60.0	6.2	311.2	1.51	76.20
70.0-71.0	58.1	6.0	317.2	1.47	77.67
71.0-72.0	55.9	5.8	323.0	1.42	79.10

C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Nick

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 9.028 m
 Humidity: 60%
 Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	53.4	5.6	328.6	1.37	80.47
73.0-74.0	50.5	5.3	333.9	1.30	81.76
74.0-75.0	47.3	5.0	338.9	1.23	82.99
75.0-76.0	44.0	4.7	343.6	1.14	84.13
76.0-77.0	40.6	4.3	347.9	1.06	85.20
77.0-78.0	37.2	4.0	351.9	0.98	86.17
78.0-79.0	33.7	3.6	355.5	0.89	87.06
79.0-80.0	30.1	3.2	358.8	0.79	87.85
80.0-81.0	26.7	2.9	361.6	0.71	88.56
81.0-82.0	23.6	2.6	364.2	0.63	89.19
82.0-83.0	20.8	2.3	366.5	0.55	89.74
83.0-84.0	18.5	2.0	368.5	0.49	90.24
84.0-85.0	16.7	1.8	370.3	0.45	90.68
85.0-86.0	15.3	1.7	372.0	0.41	91.09
86.0-87.0	14.3	1.6	373.5	0.38	91.47
87.0-88.0	13.5	1.5	375.0	0.36	91.84
88.0-89.0	13.0	1.4	376.4	0.35	92.18
89.0-90.0	12.5	1.4	377.8	0.34	92.52
90.0-91.0	12.2	1.3	379.2	0.33	92.85
91.0-92.0	11.9	1.3	380.5	0.32	93.17
92.0-93.0	11.6	1.3	381.7	0.31	93.48
93.0-94.0	11.3	1.2	383.0	0.30	93.78
94.0-95.0	11.1	1.2	384.2	0.30	94.08
95.0-96.0	10.9	1.2	385.4	0.29	94.37
96.0-97.0	10.6	1.2	386.5	0.28	94.65
97.0-98.0	10.4	1.1	387.7	0.28	94.93
98.0-99.0	10.2	1.1	388.8	0.27	95.20
99.0-100.0	9.9	1.1	389.8	0.26	95.46
100.0-101.0	9.6	1.0	390.9	0.25	95.72
101.0-102.0	9.3	1.0	391.9	0.24	95.96
102.0-103.0	9.0	1.0	392.8	0.23	96.19
103.0-104.0	8.6	0.9	393.7	0.22	96.42
104.0-105.0	8.1	0.9	394.6	0.21	96.63
105.0-106.0	7.7	0.8	395.4	0.20	96.83
106.0-107.0	7.3	0.8	396.2	0.19	97.02
107.0-108.0	6.9	0.7	396.9	0.18	97.19

C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Nick

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 9.028 m
 Humidity: 60%
 Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	6.5	0.7	397.6	0.17	97.36
109.0-110.0	6.2	0.6	398.2	0.16	97.52
110.0-111.0	5.8	0.6	398.8	0.15	97.66
111.0-112.0	5.5	0.6	399.4	0.14	97.80
112.0-113.0	5.2	0.5	399.9	0.13	97.93
113.0-114.0	4.9	0.5	400.4	0.12	98.05
114.0-115.0	4.7	0.5	400.9	0.12	98.16
115.0-116.0	4.6	0.5	401.3	0.11	98.27
116.0-117.0	4.5	0.4	401.8	0.11	98.38
117.0-118.0	4.3	0.4	402.2	0.10	98.49
118.0-119.0	4.2	0.4	402.6	0.10	98.58
119.0-120.0	4.0	0.4	403.0	0.09	98.68
120.0-121.0	3.8	0.4	403.3	0.09	98.77
121.0-122.0	3.7	0.3	403.7	0.08	98.85
122.0-123.0	3.6	0.3	404.0	0.08	98.93
123.0-124.0	3.5	0.3	404.3	0.08	99.01
124.0-125.0	3.3	0.3	404.6	0.07	99.08
125.0-126.0	3.2	0.3	404.9	0.07	99.15
126.0-127.0	3.1	0.3	405.2	0.07	99.22
127.0-128.0	2.9	0.3	405.4	0.06	99.28
128.0-129.0	2.7	0.2	405.7	0.06	99.34
129.0-130.0	2.6	0.2	405.9	0.05	99.39
130.0-131.0	2.4	0.2	406.1	0.05	99.44
131.0-132.0	2.2	0.2	406.3	0.04	99.48
132.0-133.0	2.0	0.2	406.4	0.04	99.52
133.0-134.0	1.8	0.1	406.6	0.04	99.56
134.0-135.0	1.6	0.1	406.7	0.03	99.59
135.0-136.0	1.5	0.1	406.8	0.03	99.62
136.0-137.0	1.4	0.1	406.9	0.03	99.64
137.0-138.0	1.2	0.1	407.0	0.02	99.67
138.0-139.0	1.2	0.1	407.1	0.02	99.69
139.0-140.0	1.1	0.1	407.2	0.02	99.71
140.0-141.0	1.0	0.1	407.2	0.02	99.72
141.0-142.0	1.0	0.1	407.3	0.02	99.74
142.0-143.0	0.9	0.1	407.4	0.01	99.75
143.0-144.0	0.9	0.1	407.4	0.01	99.77

C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Nick

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 9.028 m
 Humidity: 60%
 Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.9	0.1	407.5	0.01	99.78
145.0-146.0	0.9	0.1	407.5	0.01	99.79
146.0-147.0	0.8	0.1	407.6	0.01	99.81
147.0-148.0	0.8	0.0	407.6	0.01	99.82
148.0-149.0	0.8	0.0	407.7	0.01	99.83
149.0-150.0	0.8	0.0	407.7	0.01	99.84
150.0-151.0	0.8	0.0	407.8	0.01	99.85
151.0-152.0	0.8	0.0	407.8	0.01	99.86
152.0-153.0	0.8	0.0	407.8	0.01	99.87
153.0-154.0	0.8	0.0	407.9	0.01	99.88
154.0-155.0	0.8	0.0	407.9	0.01	99.89
155.0-156.0	0.8	0.0	407.9	0.01	99.90
156.0-157.0	0.8	0.0	408.0	0.01	99.91
157.0-158.0	0.8	0.0	408.0	0.01	99.92
158.0-159.0	0.8	0.0	408.0	0.01	99.92
159.0-160.0	0.8	0.0	408.1	0.01	99.93
160.0-161.0	0.8	0.0	408.1	0.01	99.94
161.0-162.0	0.8	0.0	408.1	0.01	99.94
162.0-163.0	0.7	0.0	408.2	0.01	99.95
163.0-164.0	0.7	0.0	408.2	0.01	99.96
164.0-165.0	0.7	0.0	408.2	0.01	99.96
165.0-166.0	0.7	0.0	408.2	0.00	99.97
166.0-167.0	0.7	0.0	408.2	0.00	99.97
167.0-168.0	0.7	0.0	408.3	0.00	99.97
168.0-169.0	0.7	0.0	408.3	0.00	99.98
169.0-170.0	0.7	0.0	408.3	0.00	99.98
170.0-171.0	0.7	0.0	408.3	0.00	99.99
171.0-172.0	0.7	0.0	408.3	0.00	99.99
172.0-173.0	0.8	0.0	408.3	0.00	99.99
173.0-174.0	0.8	0.0	408.3	0.00	99.99
174.0-175.0	0.8	0.0	408.3	0.00	100.00
175.0-176.0	0.8	0.0	408.3	0.00	100.00
176.0-177.0	0.8	0.0	408.4	0.00	100.00
177.0-178.0	0.8	0.0	408.4	0.00	100.00
178.0-179.0	0.8	0.0	408.4	0.00	100.00
179.0-180.0	0.8	0.0	408.4	0.00	100.00

C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
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 Distance: 9.028 m
 Humidity: 60%
 Inspector: