

Report No.: 52.05525 Euro Recessed
Downlight

Test Time: 2024-10-14 17:41

Luminaire Property

Luminaire Category:

Luminaire Description: 24D

Current: 0.056 A

Power Factor: 0.584

Voltage: 236.0 V

Power: 7.70 W

Photometric Results

CIE Class: Direct

Measurement Flux: 430.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H22.3

Vertical Diffuse Angle(50%): V22.3

Luminaire Efficacy Rating (LER): 56

Max. Intensity: 2069.29 cd

Total Rated Lamp Lumens: 430.3 lm

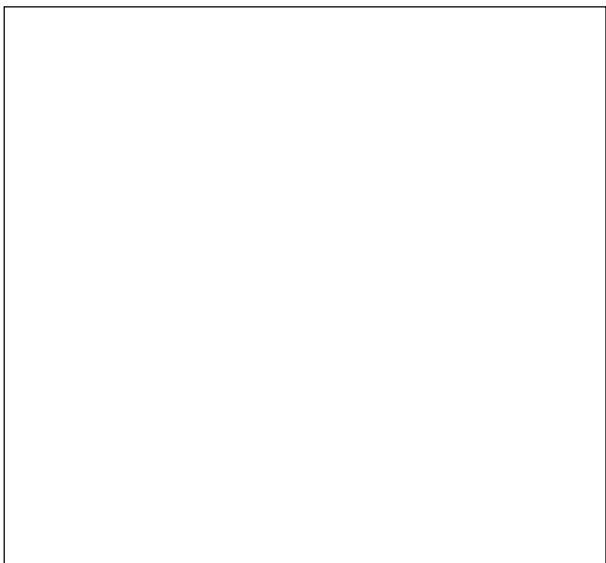
Efficiency: 100%

Upward Ratio: 0%

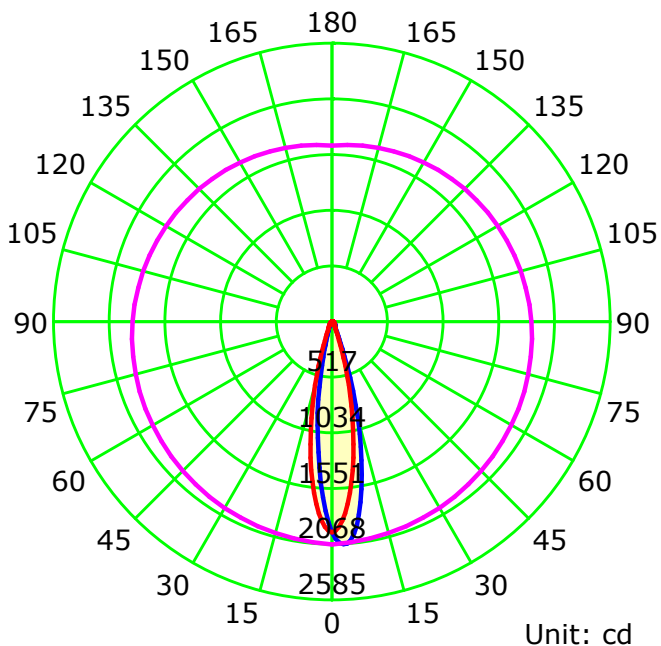
Central Intensity: 1955.69 cd

Pos of Max. Intensity: H0 V3

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G3

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

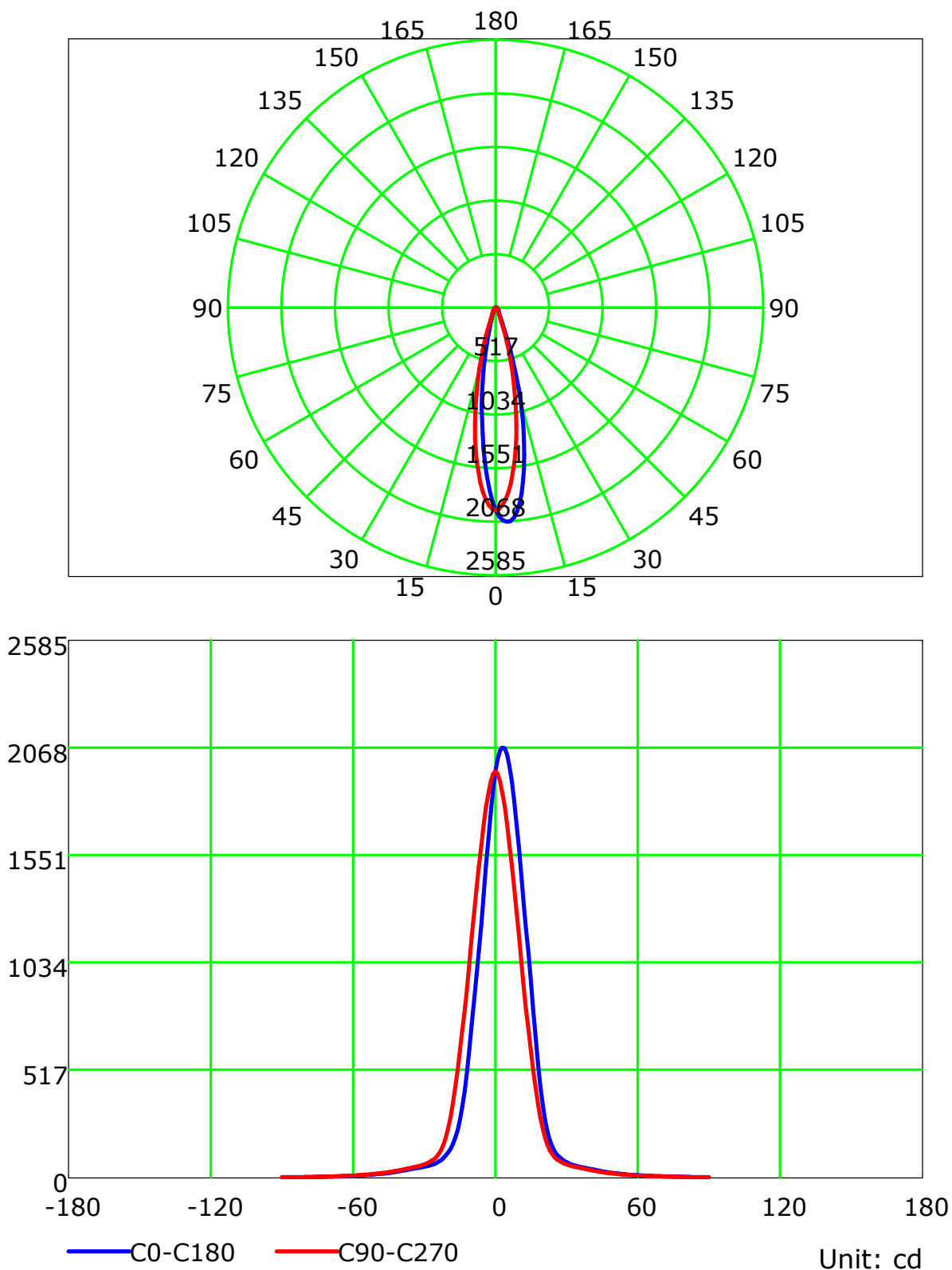
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

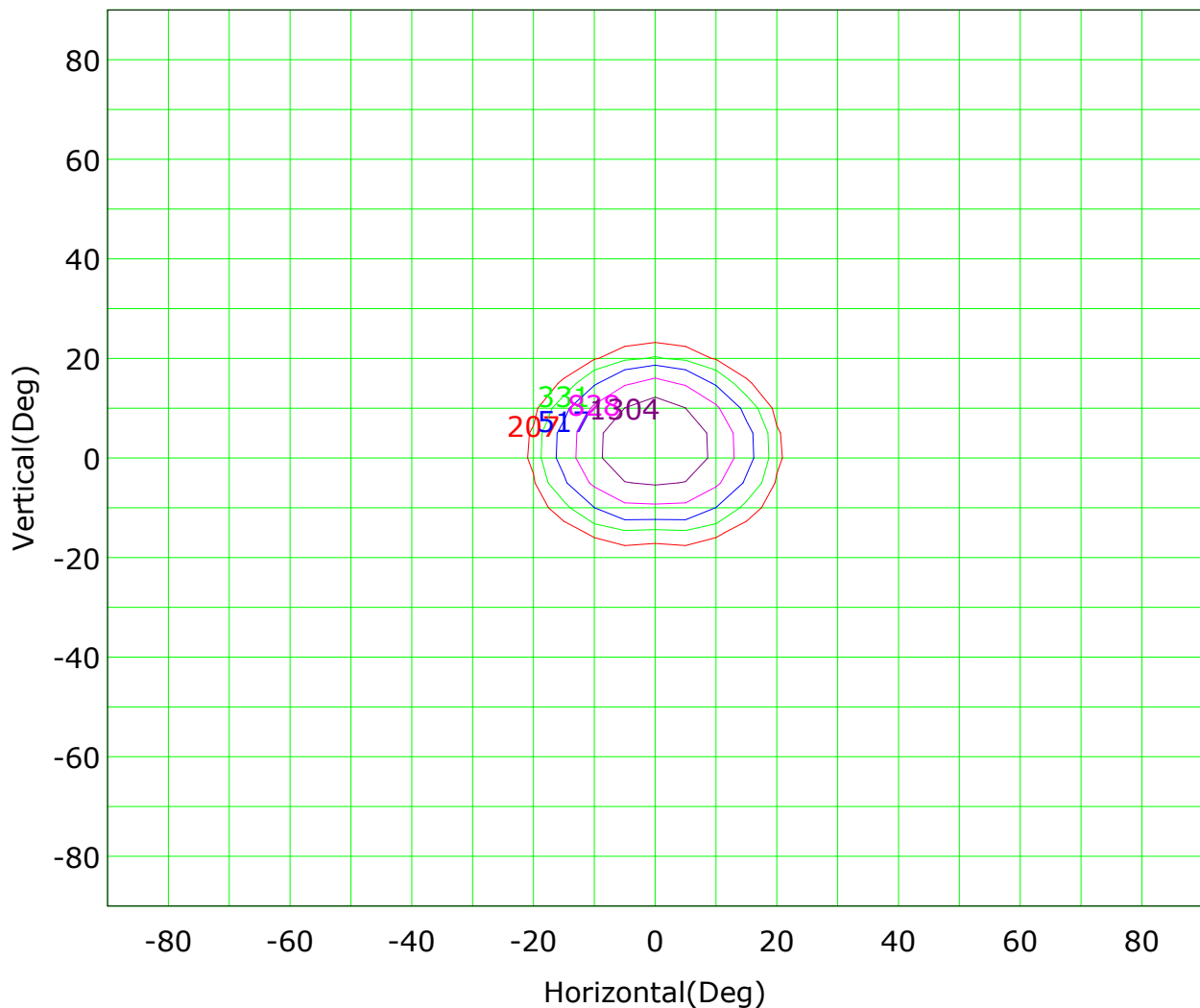
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 2069 cd

(10%): 207 cd	(16%): 331 cd
(25%): 517 cd	(40%): 828 cd
(63%): 1304 cd	(100%): 2069 cd

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

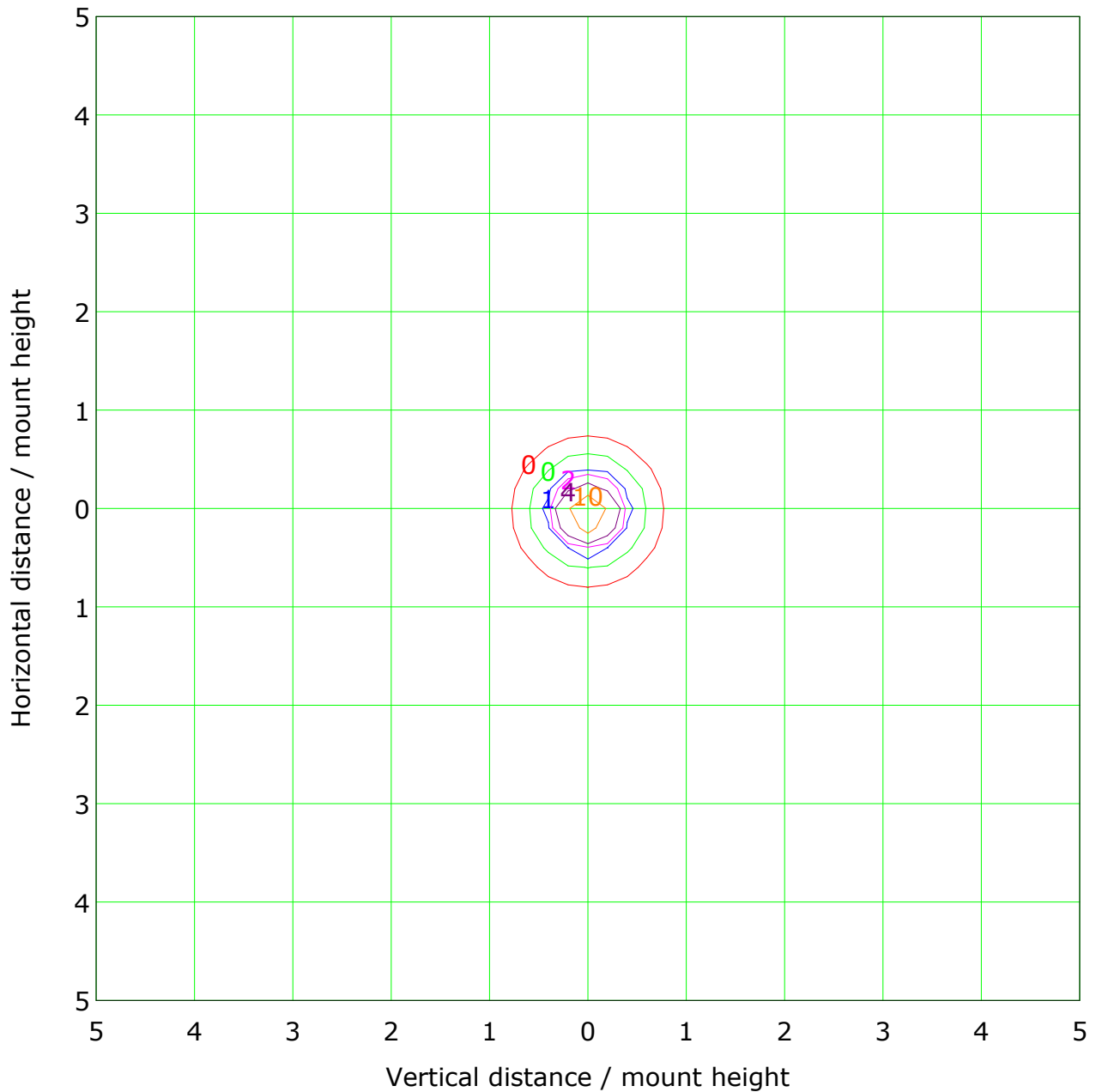
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

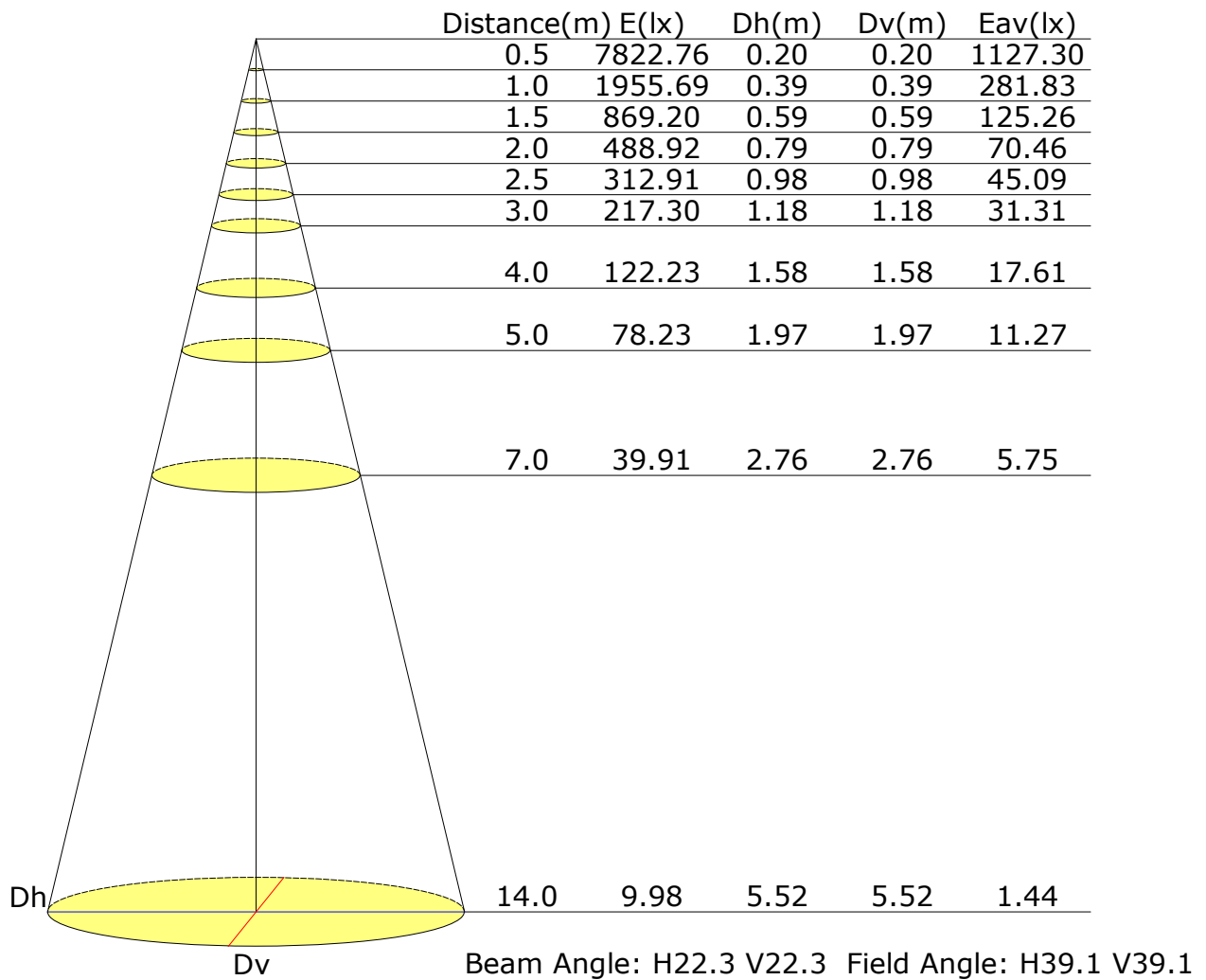


Mounting Height: 10m		Max Lux(100%): 21 lx	
(1%):	0 lx	(2%):	0 lx
(5%):	1 lx	(10%):	2 lx
(20%):	4 lx	(50%):	10 lx
(100%):	21 lx		

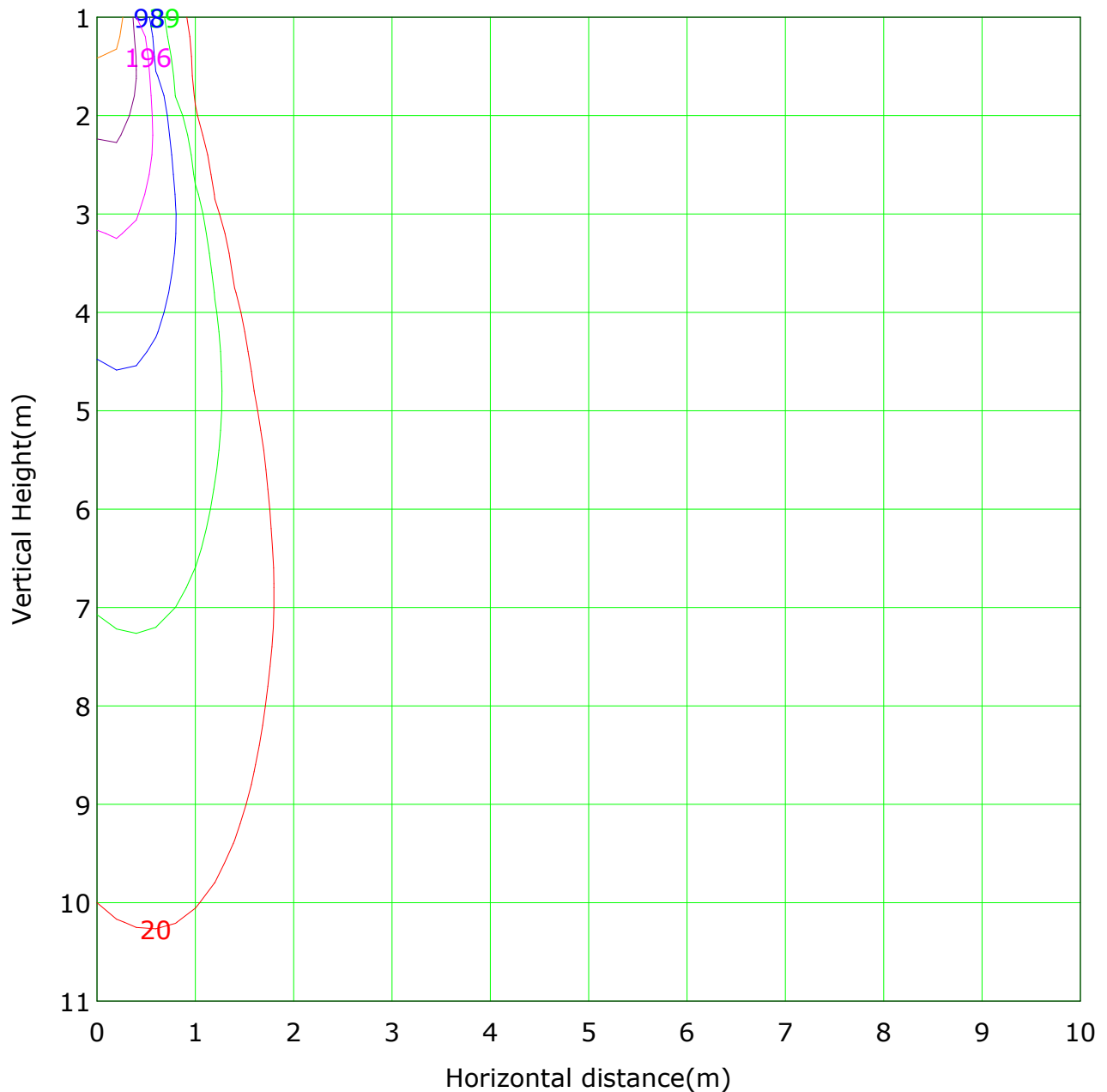
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.328 m
Humidity:
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

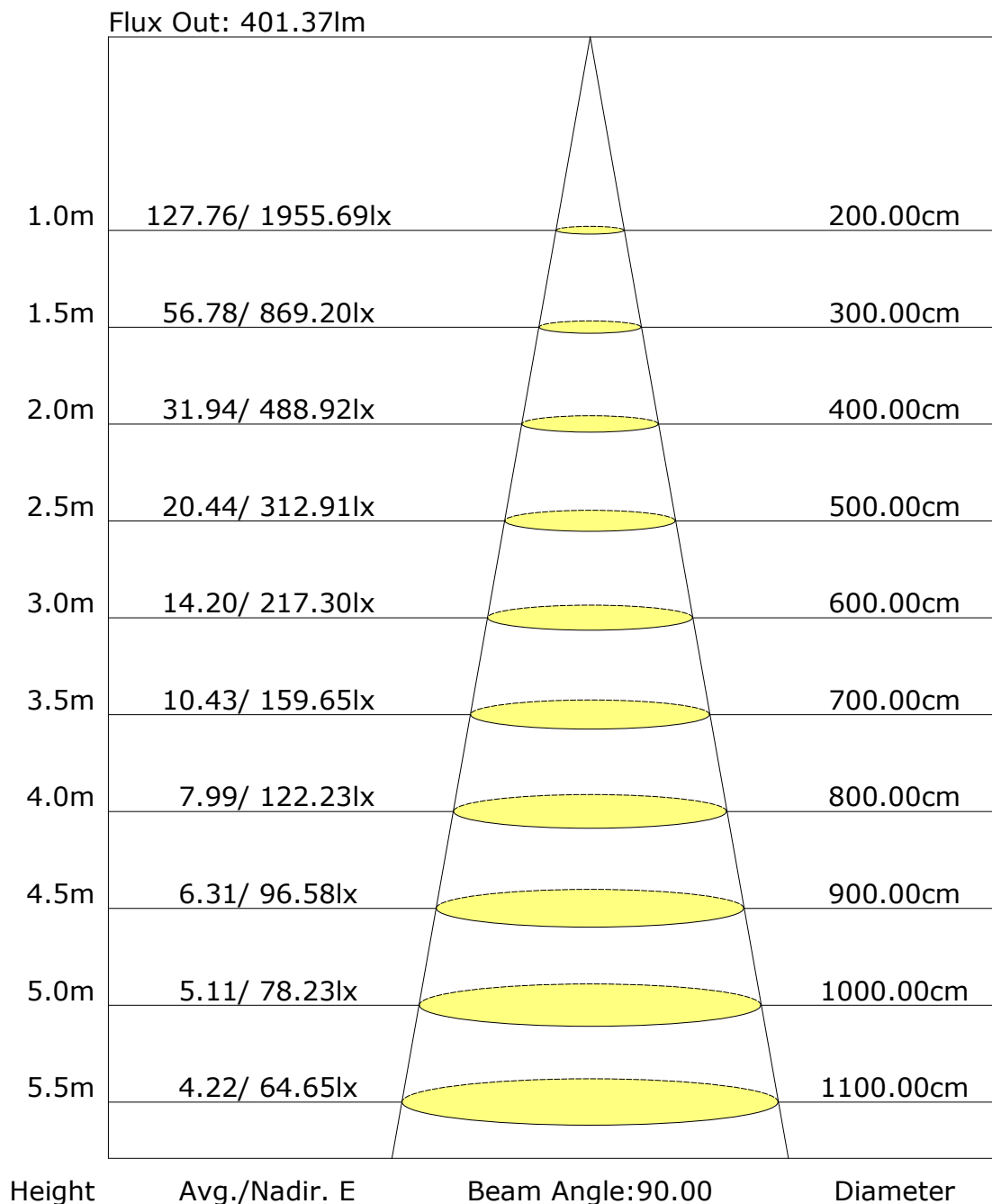


Lowest(m): 1m Highest(m): 11 Max Lux: 1956	
(1%): 20 lx	(2%): 39 lx
(5%): 98 lx	(10%): 196 lx
(20%): 391 lx	(50%): 978 lx
(100%): 1956 lx	

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.328 m
Humidity:
Inspector:

The average illuminance effective figure



C Plane (°): 0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°): 0.0-90.0: 1.0
Test Device: CHL-6E
Distance: 3.328 m
Humidity:
Inspector:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1949.6	1.9	1.9	0.43	0.43
1.0-2.0	1925.3	5.5	7.4	1.28	1.72
2.0-3.0	1879.8	9.0	16.4	2.09	3.81
3.0-4.0	1818.6	12.2	28.6	2.83	6.64
4.0-5.0	1741.8	15.0	43.5	3.48	10.12
5.0-6.0	1649.4	17.3	60.9	4.03	14.15
6.0-7.0	1548.4	19.2	80.1	4.47	18.62
7.0-8.0	1444.0	20.7	100.8	4.80	23.42
8.0-9.0	1335.1	21.6	122.4	5.03	28.45
9.0-10.0	1218.7	22.1	144.5	5.13	33.58
10.0-11.0	1096.4	21.9	166.4	5.09	38.67
11.0-12.0	974.8	21.3	187.7	4.95	43.62
12.0-13.0	860.7	20.4	208.1	4.75	48.37
13.0-14.0	757.4	19.4	227.5	4.51	52.88
14.0-15.0	659.9	18.1	245.6	4.21	57.09
15.0-16.0	564.2	16.5	262.2	3.84	60.93
16.0-17.0	473.5	14.7	276.9	3.43	64.36
17.0-18.0	392.0	12.9	289.8	3.00	67.36
18.0-19.0	321.0	11.2	301.0	2.60	69.96
19.0-20.0	260.5	9.5	310.5	2.22	72.17
20.0-21.0	211.1	8.1	318.7	1.88	74.06
21.0-22.0	173.0	7.0	325.6	1.62	75.67
22.0-23.0	143.9	6.0	331.6	1.40	77.08
23.0-24.0	121.3	5.3	336.9	1.23	78.31
24.0-25.0	104.3	4.7	341.7	1.10	79.41
25.0-26.0	91.7	4.3	346.0	1.01	80.42
26.0-27.0	82.7	4.0	350.1	0.94	81.36
27.0-28.0	75.4	3.8	353.9	0.89	82.25
28.0-29.0	69.2	3.6	357.5	0.84	83.09
29.0-30.0	64.2	3.5	361.0	0.81	83.89
30.0-31.0	59.8	3.3	364.3	0.77	84.67
31.0-32.0	56.1	3.2	367.5	0.75	85.41
32.0-33.0	53.0	3.1	370.6	0.73	86.14
33.0-34.0	50.4	3.1	373.7	0.71	86.85
34.0-35.0	48.0	3.0	376.7	0.69	87.54
35.0-36.0	45.6	2.9	379.6	0.68	88.22

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.328 m
Humidity:
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	43.4	2.8	382.4	0.66	88.87
37.0-38.0	40.9	2.7	385.1	0.64	89.51
38.0-39.0	38.5	2.6	387.8	0.61	90.12
39.0-40.0	36.3	2.5	390.3	0.59	90.71
40.0-41.0	34.1	2.4	392.7	0.57	91.27
41.0-42.0	32.1	2.3	395.1	0.54	91.82
42.0-43.0	30.0	2.2	397.3	0.52	92.33
43.0-44.0	27.9	2.1	399.4	0.49	92.82
44.0-45.0	25.8	2.0	401.4	0.46	93.28
45.0-46.0	24.0	1.9	403.3	0.44	93.72
46.0-47.0	22.3	1.8	405.0	0.41	94.13
47.0-48.0	20.8	1.7	406.7	0.39	94.53
48.0-49.0	19.4	1.6	408.3	0.37	94.90
49.0-50.0	18.0	1.5	409.8	0.35	95.25
50.0-51.0	16.9	1.4	411.2	0.33	95.58
51.0-52.0	15.8	1.4	412.6	0.32	95.89
52.0-53.0	14.7	1.3	413.9	0.30	96.19
53.0-54.0	13.6	1.2	415.1	0.28	96.47
54.0-55.0	12.7	1.1	416.2	0.26	96.73
55.0-56.0	11.9	1.1	417.3	0.25	96.98
56.0-57.0	11.1	1.0	418.3	0.23	97.22
57.0-58.0	10.3	1.0	419.2	0.22	97.44
58.0-59.0	9.6	0.9	420.1	0.21	97.65
59.0-60.0	8.9	0.8	421.0	0.20	97.84
60.0-61.0	8.3	0.8	421.8	0.18	98.03
61.0-62.0	7.8	0.7	422.5	0.17	98.20
62.0-63.0	7.3	0.7	423.2	0.16	98.36
63.0-64.0	6.8	0.7	423.9	0.16	98.52
64.0-65.0	6.3	0.6	424.5	0.15	98.66
65.0-66.0	5.8	0.6	425.1	0.14	98.80
66.0-67.0	5.4	0.5	425.7	0.13	98.93
67.0-68.0	5.0	0.5	426.2	0.12	99.04
68.0-69.0	4.6	0.5	426.6	0.11	99.15
69.0-70.0	4.3	0.4	427.1	0.10	99.25
70.0-71.0	3.9	0.4	427.5	0.09	99.35
71.0-72.0	3.5	0.4	427.8	0.08	99.43

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.328 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.328 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	1955.7	1955.7								
G1.0	2017.5	1869.4								
G2.0	2055.1	1759.2								
G3.0	2069.3	1635.5								
G4.0	2066.8	1502.9								
G5.0	2035.0	1362.6								
G6.0	1979.9	1220.1								
G7.0	1904.2	1089.3								
G8.0	1808.9	973.6								
G9.0	1699.4	858.6								
G10.0	1579.7	737.1								
G11.0	1449.1	619.9								
G12.0	1317.1	513.1								
G13.0	1194.3	418.5								
G14.0	1076.7	340.0								
G15.0	946.3	276.6								
G16.0	807.8	226.2								
G17.0	671.8	188.3								
G18.0	548.4	159.5								
G19.0	440.0	136.1								
G20.0	347.5	118.4								
G21.0	273.9	104.7								
G22.0	220.6	93.0								
G23.0	179.9	82.2								
G24.0	148.0	75.1								
G25.0	125.3	68.7								
G26.0	109.3	63.7								
G27.0	98.1	59.6								
G28.0	87.7	56.4								
G29.0	79.4	53.5								
G30.0	72.5	51.3								
G31.0	66.7	48.9								
G32.0	62.0	46.7								
G33.0	58.6	44.7								
G34.0	55.6	42.7								
G35.0	52.8	40.7								
G36.0	50.3	38.7								

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	47.7	36.8								
G38.0	44.9	34.4								
G39.0	42.7	32.2								
G40.0	40.5	29.8								
G41.0	38.5	27.8								
G42.0	36.1	26.1								
G43.0	33.8	24.2								
G44.0	31.2	22.4								
G45.0	28.9	20.9								
G46.0	26.8	19.5								
G47.0	24.8	18.3								
G48.0	23.0	17.3								
G49.0	21.4	16.0								
G50.0	19.7	15.0								
G51.0	18.5	14.3								
G52.0	17.4	13.2								
G53.0	16.0	12.2								
G54.0	15.0	11.3								
G55.0	14.0	10.6								
G56.0	12.9	9.9								
G57.0	12.2	9.2								
G58.0	11.3	8.6								
G59.0	10.6	7.9								
G60.0	9.9	7.2								
G61.0	9.3	6.7								
G62.0	8.8	6.2								
G63.0	8.1	6.0								
G64.0	7.7	5.5								
G65.0	7.1	5.1								
G66.0	6.5	4.7								
G67.0	6.1	4.3								
G68.0	5.7	3.8								
G69.0	5.3	3.5								
G70.0	5.0	3.2								
G71.0	4.5	2.9								
G72.0	4.2	2.5								
G73.0	3.8	2.2								

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.328 m
Humidity:
Inspector:

Unit: cd

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.328 m
Humidity:
Inspector: