

Report No.:52.05527 Mini Pro Recessed  
Downlight

Test Time: 2024-10-14 18:10

## Luminaire Property

Luminaire Category:

Luminaire Description: 24D

Current: 0.056 A

Power Factor: 0.586

Voltage: 229.6 V

Power: 7.60 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 472.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H25.1

Vertical Diffuse Angle(50%): V25.1

Luminaire Efficacy Rating (LER): 62

Max. Intensity: 2029.94 cd

Total Rated Lamp Lumens: 472.7 lm

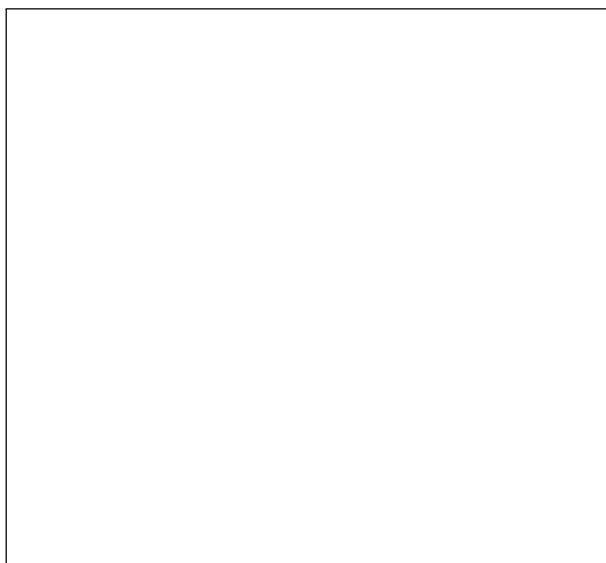
Efficiency: 100%

Upward Ratio: 0%

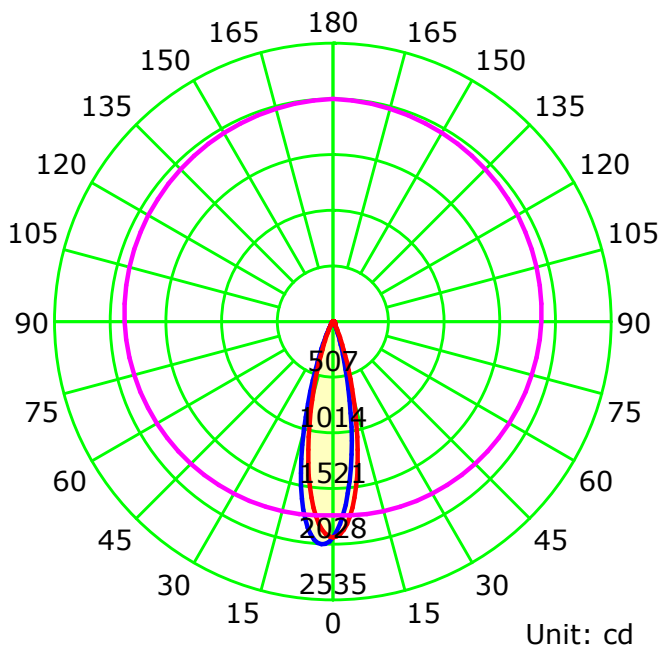
Central Intensity: 1965.5 cd

Pos of Max. Intensity: H180 V3

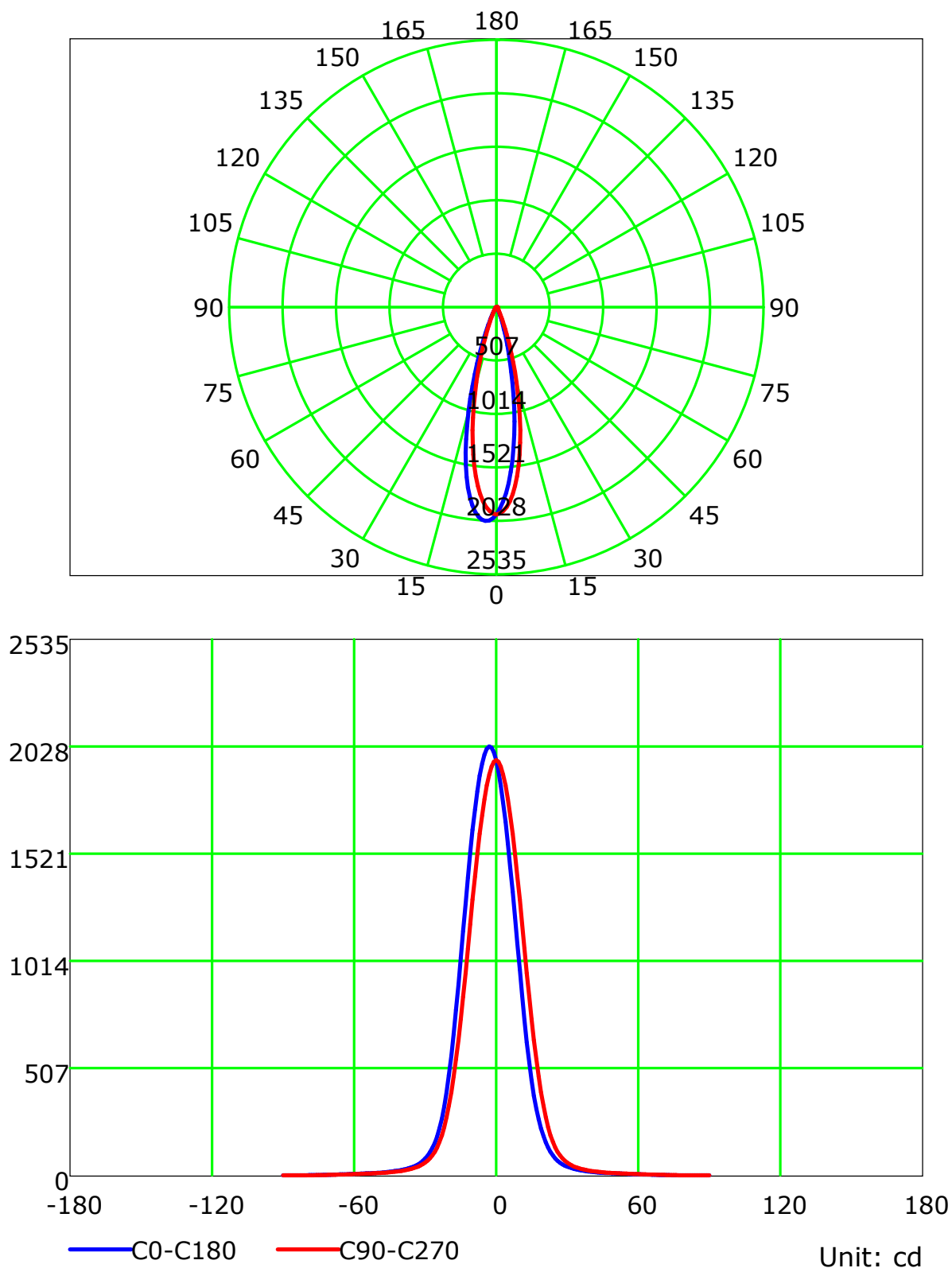
Picture Of Luminaire



Luminous Intensity Distribution Curve



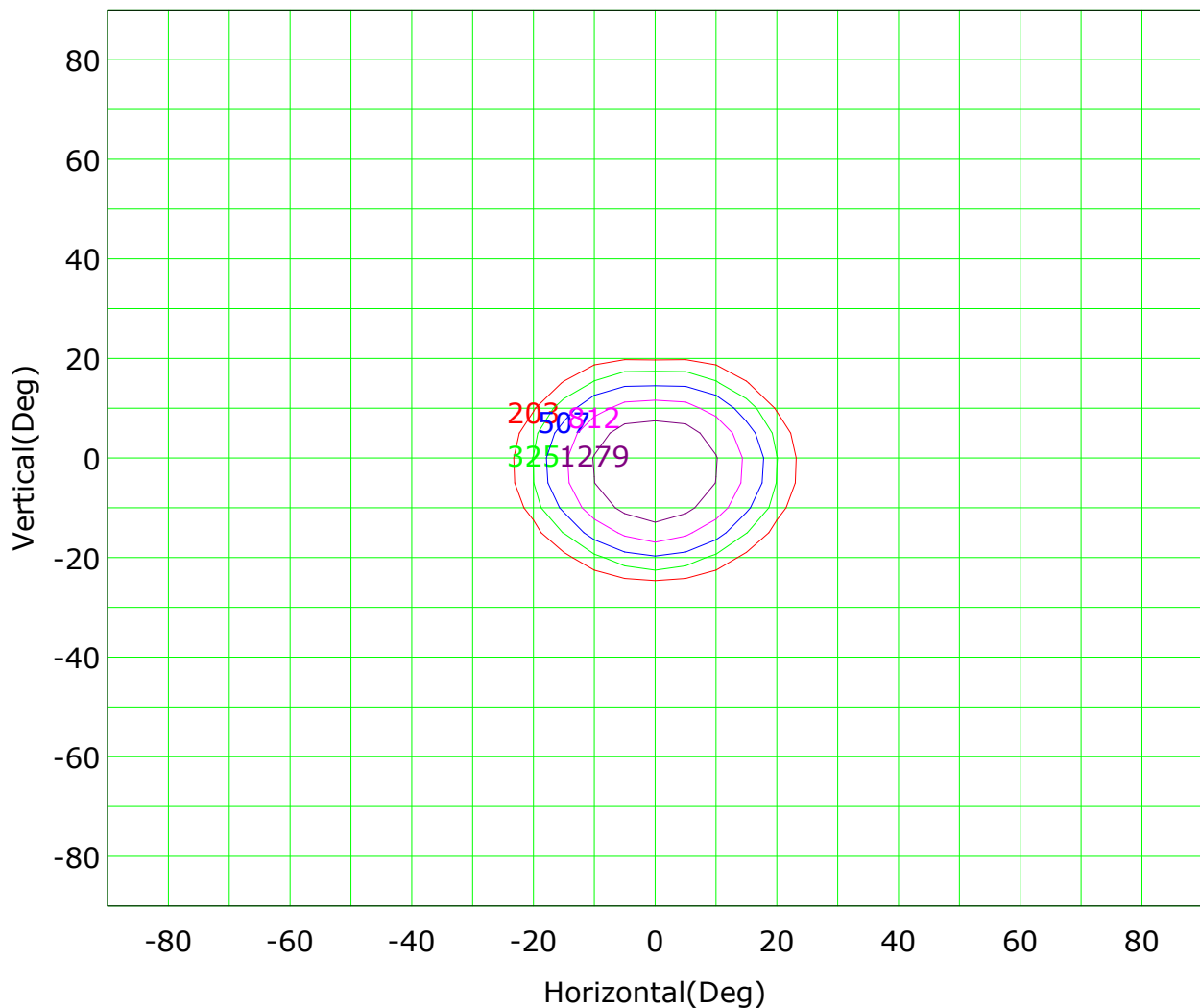
## Luminous Intensity Distribution Curve



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%): 2030 cd

( 10%): 203 cd	( 16%): 325 cd
( 25%): 507 cd	( 40%): 812 cd
( 63%): 1279 cd	(100%): 2030 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

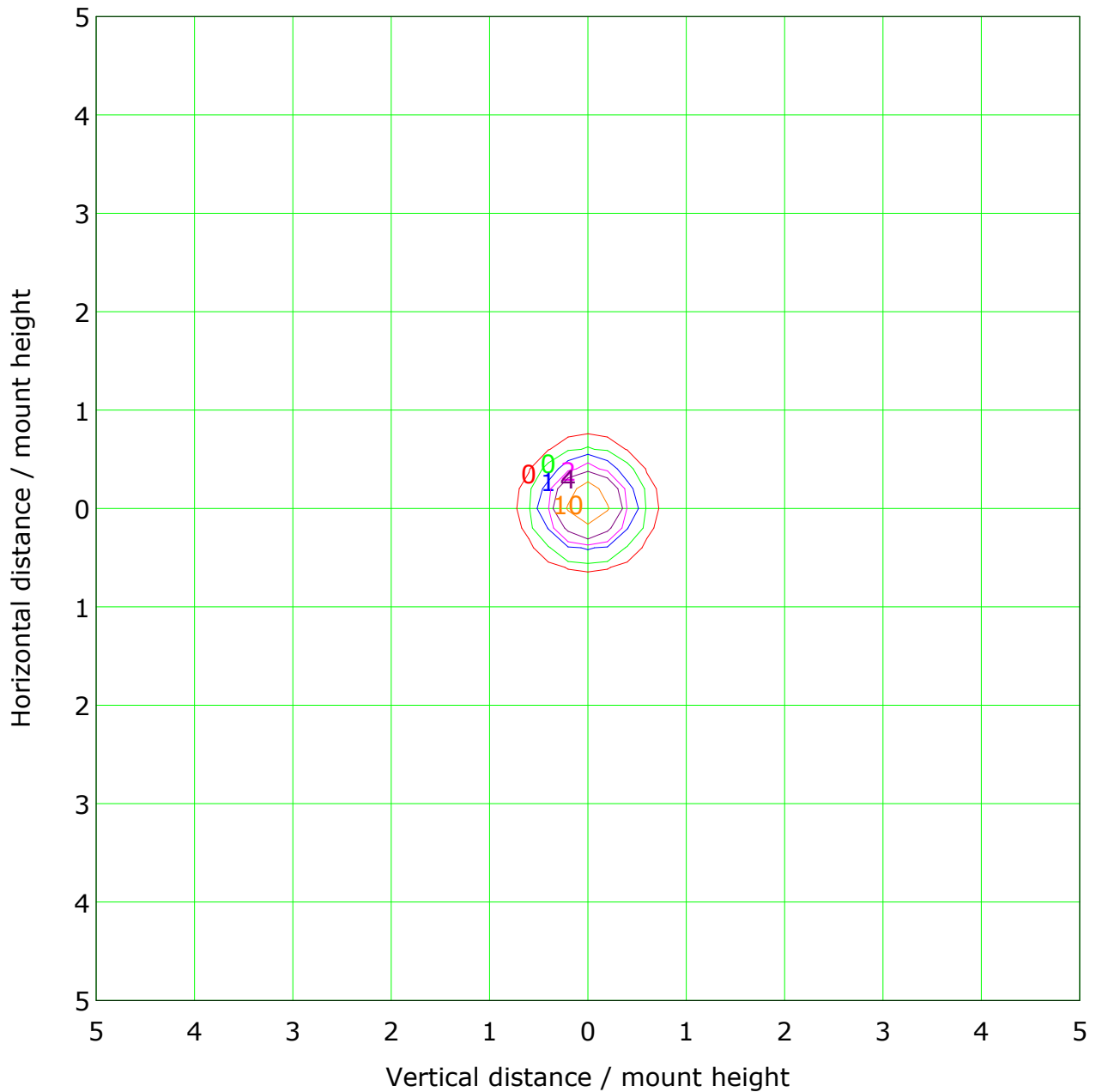
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot

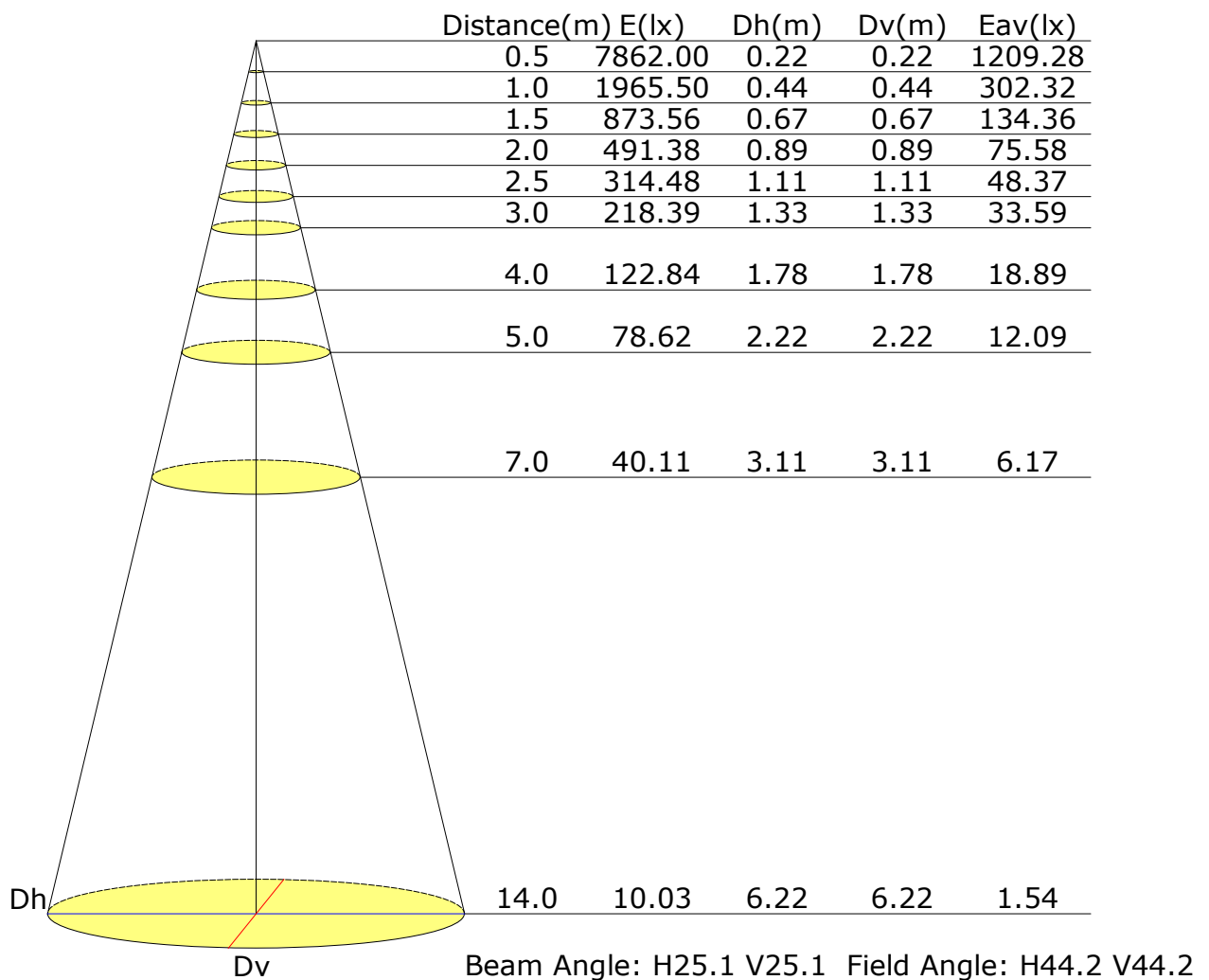


Mounting Height: 10m    Max Lux(100%): 20 lx			
— ( 1%):	0 lx	— ( 2%):	0 lx
— ( 5%):	1 lx	— ( 10%):	2 lx
— ( 20%):	4 lx	— ( 50%):	10 lx
— (100%):	20 lx		

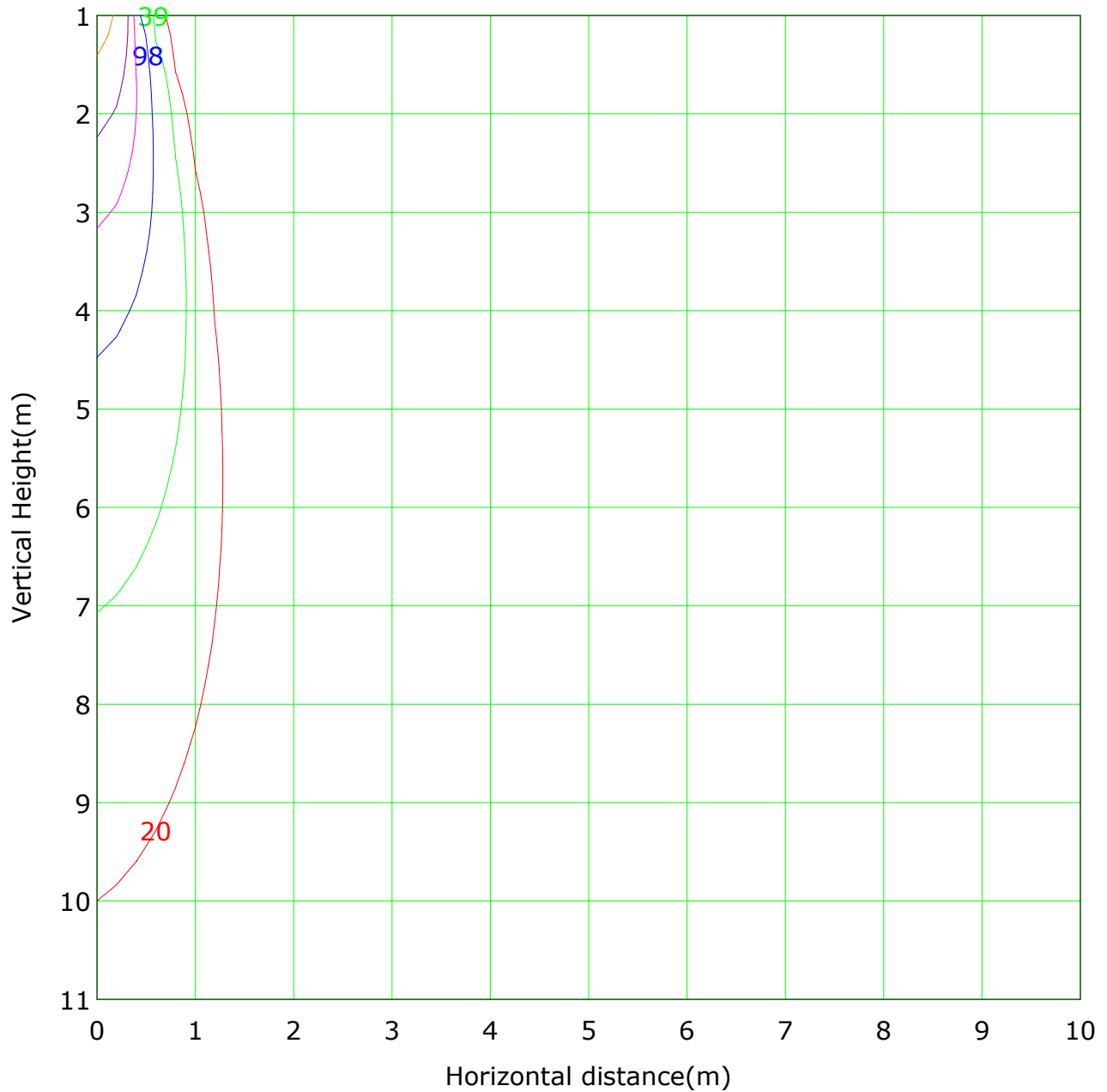
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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

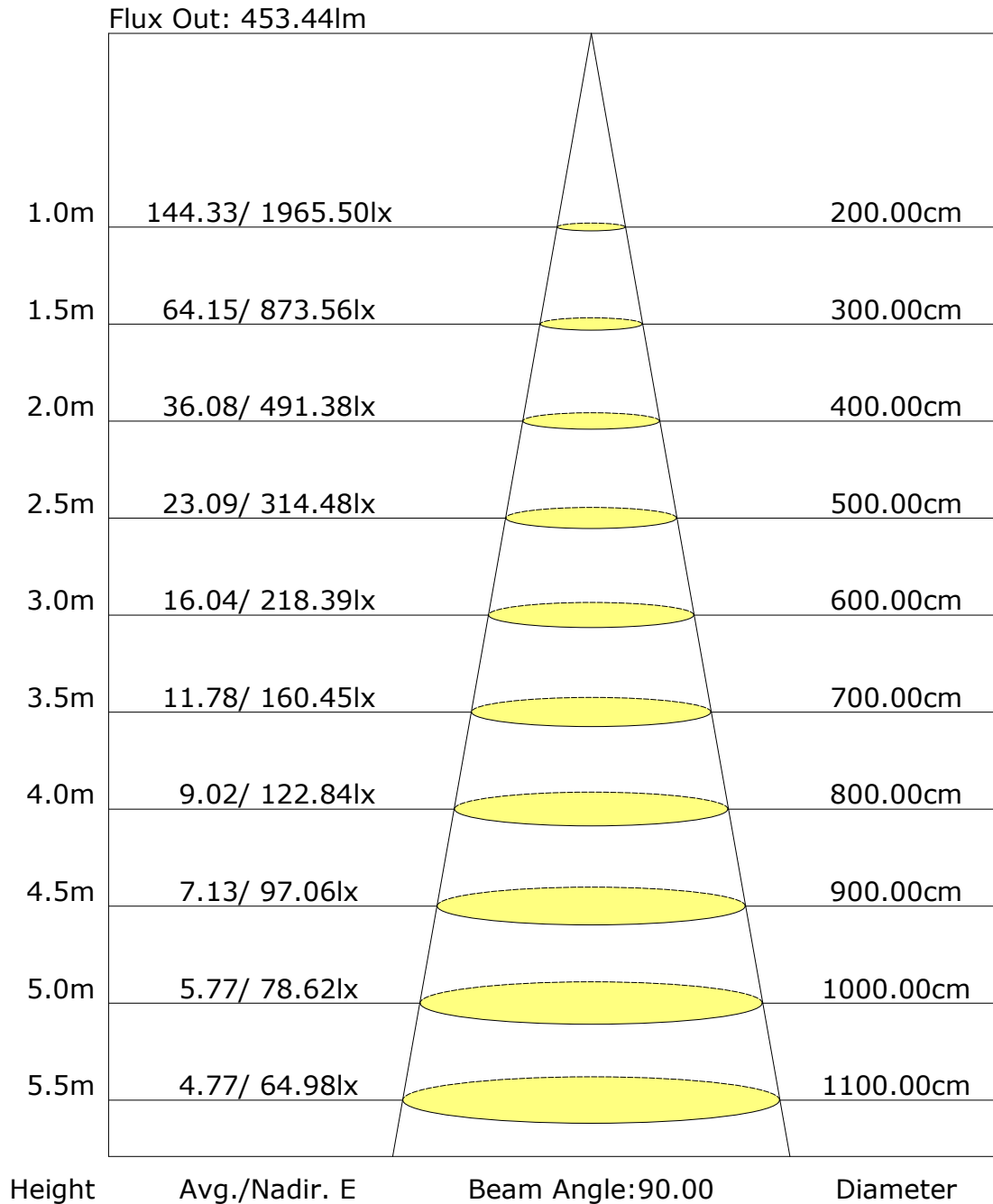


Lowest(m): 1m    Highest(m): 11    Max Lux: 1966	
( 1%): 20 lx	( 2%): 39 lx
( 5%): 98 lx	( 10%): 197 lx
( 20%): 393 lx	( 50%): 983 lx
(100%): 1966 lx	

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1961.7	1.9	1.9	0.40	0.40
1.0-2.0	1946.4	5.6	7.5	1.18	1.58
2.0-3.0	1916.2	9.2	16.6	1.94	3.52
3.0-4.0	1871.9	12.5	29.2	2.65	6.17
4.0-5.0	1813.7	15.6	44.8	3.30	9.47
5.0-6.0	1742.9	18.3	63.1	3.88	13.35
6.0-7.0	1661.1	20.6	83.7	4.36	17.71
7.0-8.0	1569.3	22.5	106.2	4.75	22.46
8.0-9.0	1468.6	23.8	130.0	5.04	27.50
9.0-10.0	1360.9	24.6	154.6	5.21	32.71
10.0-11.0	1247.6	24.9	179.5	5.28	37.98
11.0-12.0	1131.5	24.7	204.3	5.23	43.22
12.0-13.0	1015.5	24.1	228.4	5.10	48.32
13.0-14.0	901.7	23.1	251.5	4.88	53.20
14.0-15.0	792.8	21.8	273.2	4.61	57.81
15.0-16.0	690.0	20.2	293.4	4.28	62.09
16.0-17.0	594.4	18.5	312.0	3.92	66.00
17.0-18.0	508.2	16.8	328.7	3.55	69.55
18.0-19.0	431.0	15.0	343.7	3.17	72.72
19.0-20.0	361.9	13.2	357.0	2.80	75.52
20.0-21.0	302.3	11.6	368.6	2.46	77.98
21.0-22.0	251.9	10.1	378.7	2.14	80.12
22.0-23.0	209.5	8.8	387.5	1.86	81.98
23.0-24.0	174.1	7.6	395.1	1.61	83.59
24.0-25.0	145.3	6.6	401.7	1.40	84.99
25.0-26.0	121.9	5.8	407.5	1.22	86.21
26.0-27.0	103.2	5.0	412.5	1.07	87.28
27.0-28.0	88.1	4.5	417.0	0.94	88.22
28.0-29.0	75.8	4.0	420.9	0.84	89.06
29.0-30.0	65.6	3.5	424.5	0.75	89.81
30.0-31.0	57.2	3.2	427.7	0.67	90.48
31.0-32.0	50.2	2.9	430.5	0.61	91.09
32.0-33.0	44.4	2.6	433.2	0.55	91.64
33.0-34.0	39.7	2.4	435.6	0.51	92.15
34.0-35.0	35.8	2.2	437.8	0.47	92.62
35.0-36.0	32.3	2.1	439.8	0.43	93.06

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	29.4	1.9	441.8	0.41	93.46
37.0-38.0	26.8	1.8	443.5	0.38	93.84
38.0-39.0	24.6	1.7	445.2	0.36	94.20
39.0-40.0	22.5	1.6	446.8	0.33	94.53
40.0-41.0	20.7	1.5	448.3	0.31	94.84
41.0-42.0	19.2	1.4	449.7	0.30	95.14
42.0-43.0	17.9	1.3	451.0	0.28	95.42
43.0-44.0	16.6	1.3	452.3	0.27	95.68
44.0-45.0	15.4	1.2	453.4	0.25	95.94
45.0-46.0	14.4	1.1	454.6	0.24	96.17
46.0-47.0	13.5	1.1	455.6	0.23	96.40
47.0-48.0	12.7	1.0	456.7	0.22	96.62
48.0-49.0	12.1	1.0	457.7	0.21	96.83
49.0-50.0	11.5	1.0	458.6	0.20	97.03
50.0-51.0	10.9	0.9	459.5	0.19	97.23
51.0-52.0	10.4	0.9	460.4	0.19	97.41
52.0-53.0	9.9	0.9	461.3	0.18	97.60
53.0-54.0	9.3	0.8	462.1	0.17	97.77
54.0-55.0	8.9	0.8	462.9	0.17	97.94
55.0-56.0	8.4	0.8	463.7	0.16	98.10
56.0-57.0	7.9	0.7	464.4	0.15	98.25
57.0-58.0	7.4	0.7	465.1	0.15	98.40
58.0-59.0	7.0	0.7	465.7	0.14	98.54
59.0-60.0	6.6	0.6	466.4	0.13	98.67
60.0-61.0	6.2	0.6	467.0	0.13	98.79
61.0-62.0	5.8	0.6	467.5	0.12	98.91
62.0-63.0	5.3	0.5	468.0	0.11	99.02
63.0-64.0	4.9	0.5	468.5	0.10	99.12
64.0-65.0	4.5	0.4	469.0	0.09	99.22
65.0-66.0	4.2	0.4	469.4	0.09	99.31
66.0-67.0	3.9	0.4	469.8	0.08	99.39
67.0-68.0	3.5	0.4	470.1	0.08	99.47
68.0-69.0	3.2	0.3	470.5	0.07	99.54
69.0-70.0	2.9	0.3	470.8	0.06	99.60
70.0-71.0	2.6	0.3	471.0	0.06	99.66
71.0-72.0	2.3	0.2	471.3	0.05	99.71

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Test Lab:  
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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	1965.5	1965.5								
G1.0	1913.0	2002.6								
G2.0	1845.4	2024.5								
G3.0	1765.0	2029.9								
G4.0	1673.5	2019.3								
G5.0	1569.7	1992.3								
G6.0	1459.7	1949.7								
G7.0	1343.6	1891.4								
G8.0	1223.2	1818.8								
G9.0	1099.2	1733.2								
G10.0	974.8	1636.3								
G11.0	851.5	1527.9								
G12.0	736.4	1410.2								
G13.0	630.2	1285.1								
G14.0	534.6	1157.1								
G15.0	449.9	1029.6								
G16.0	376.9	903.8								
G17.0	314.0	783.0								
G18.0	265.8	670.2								
G19.0	222.1	566.0								
G20.0	185.7	473.8								
G21.0	156.1	393.8								
G22.0	131.8	325.9								
G23.0	111.2	268.9								
G24.0	94.3	222.1								
G25.0	80.7	183.9								
G26.0	69.5	153.6								
G27.0	60.2	129.4								
G28.0	52.8	110.1								
G29.0	46.6	93.7								
G30.0	41.5	80.6								
G31.0	37.4	69.4								
G32.0	33.9	60.2								
G33.0	30.8	52.8								
G34.0	28.5	46.7								
G35.0	26.1	41.7								
G36.0	24.0	37.4								

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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	22.2	33.9								
G38.0	20.4	30.9								
G39.0	18.8	28.3								
G40.0	17.0	26.1								
G41.0	15.9	24.0								
G42.0	14.9	22.2								
G43.0	13.9	20.6								
G44.0	13.2	18.9								
G45.0	12.4	17.3								
G46.0	11.9	16.0								
G47.0	11.3	14.8								
G48.0	10.9	13.9								
G49.0	10.7	12.9								
G50.0	9.9	12.4								
G51.0	9.6	11.6								
G52.0	9.2	11.2								
G53.0	8.6	10.6								
G54.0	8.1	10.2								
G55.0	7.4	9.8								
G56.0	7.1	9.2								
G57.0	6.7	8.8								
G58.0	6.0	8.3								
G59.0	5.8	7.9								
G60.0	5.6	7.2								
G61.0	5.1	6.9								
G62.0	4.7	6.5								
G63.0	4.2	6.0								
G64.0	4.0	5.5								
G65.0	3.7	5.0								
G66.0	3.2	5.0								
G67.0	2.9	4.5								
G68.0	2.6	4.1								
G69.0	2.2	4.0								
G70.0	2.0	3.5								
G71.0	1.9	3.0								
G72.0	1.4	2.9								
G73.0	1.5	2.6								

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  
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Humidity:  
Inspector: