

Report No.: 32.08411 ACTION Track Light

Test Time: 2021-08-18 19:14

Luminaire Property

Luminaire Category: Citizen 1208 3000K CRI90

Lamp Description:

Voltage: 212.5 V

Current: 0.169 A

Power: 35.10 W

Power Factor: 0.975

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 2916.1 lm

Measurement Flux: 2916.1 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H23.2,H17.7,H12.7,H0

Vertical Diffuse Angle(25%,50%,75%,100%): V23.2,V17.7,V12.7,V0

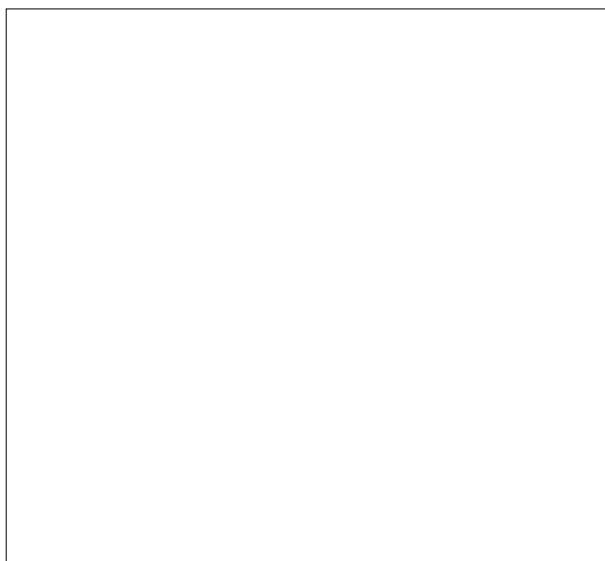
Luminaire Efficacy Rating (LER): 83

Central Intensity: 25496.6 cd

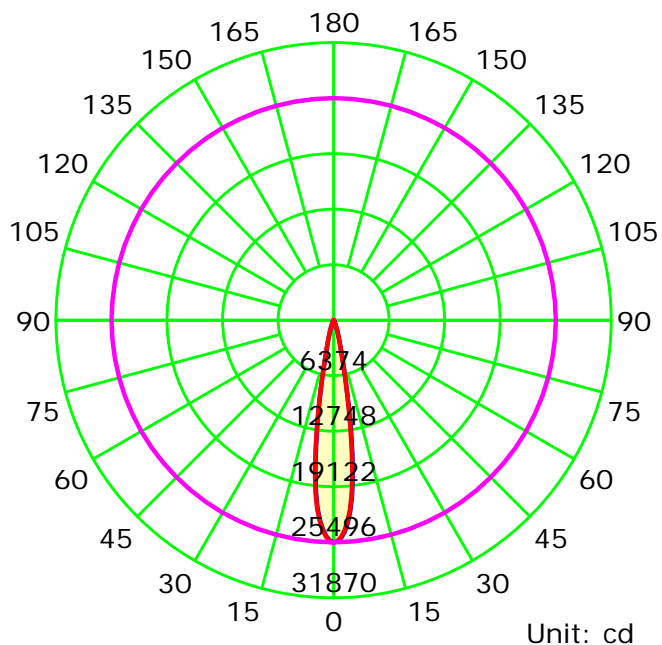
Max. Intensity: 25496.6 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 17.7°

— C0-C180 — C90-C270 — G0

C Plane (°): 0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°): 0.0-90.0: 1.0

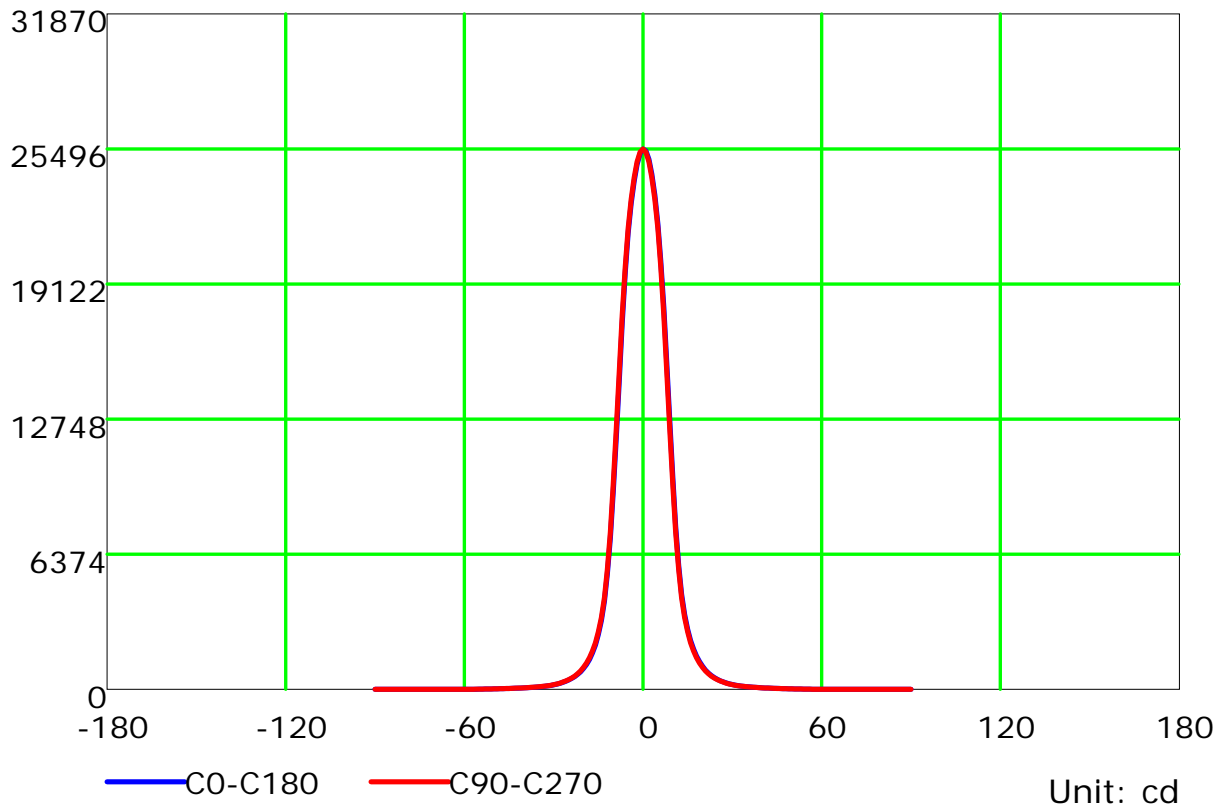
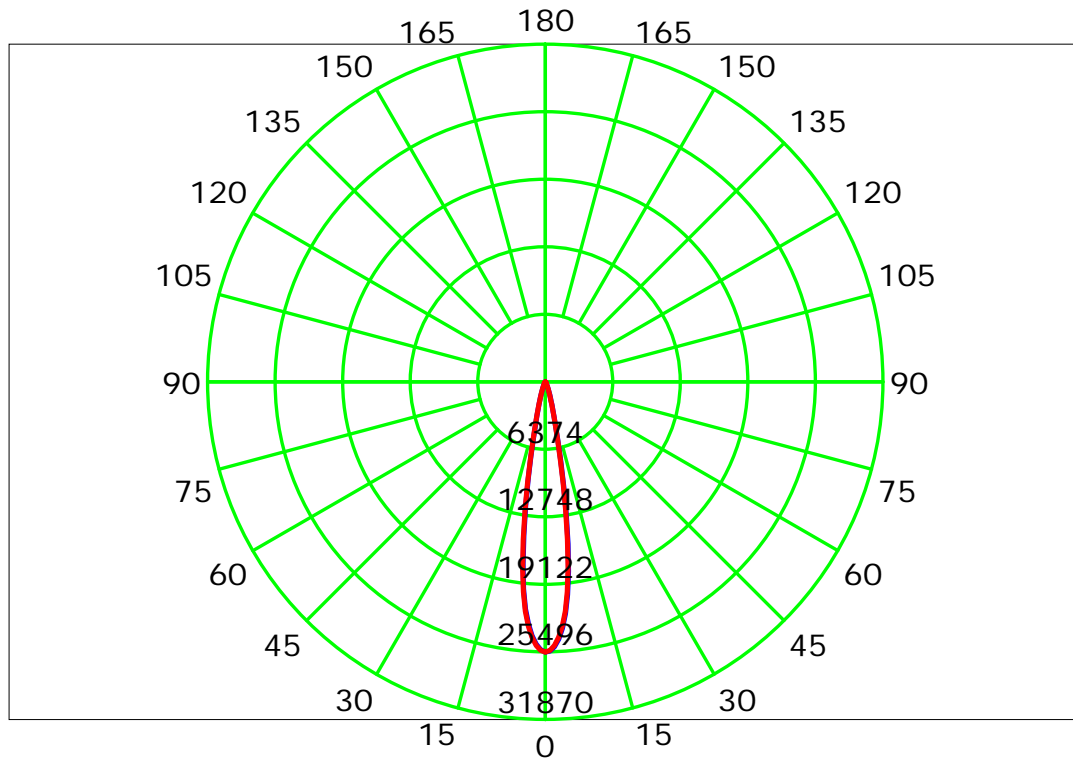
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

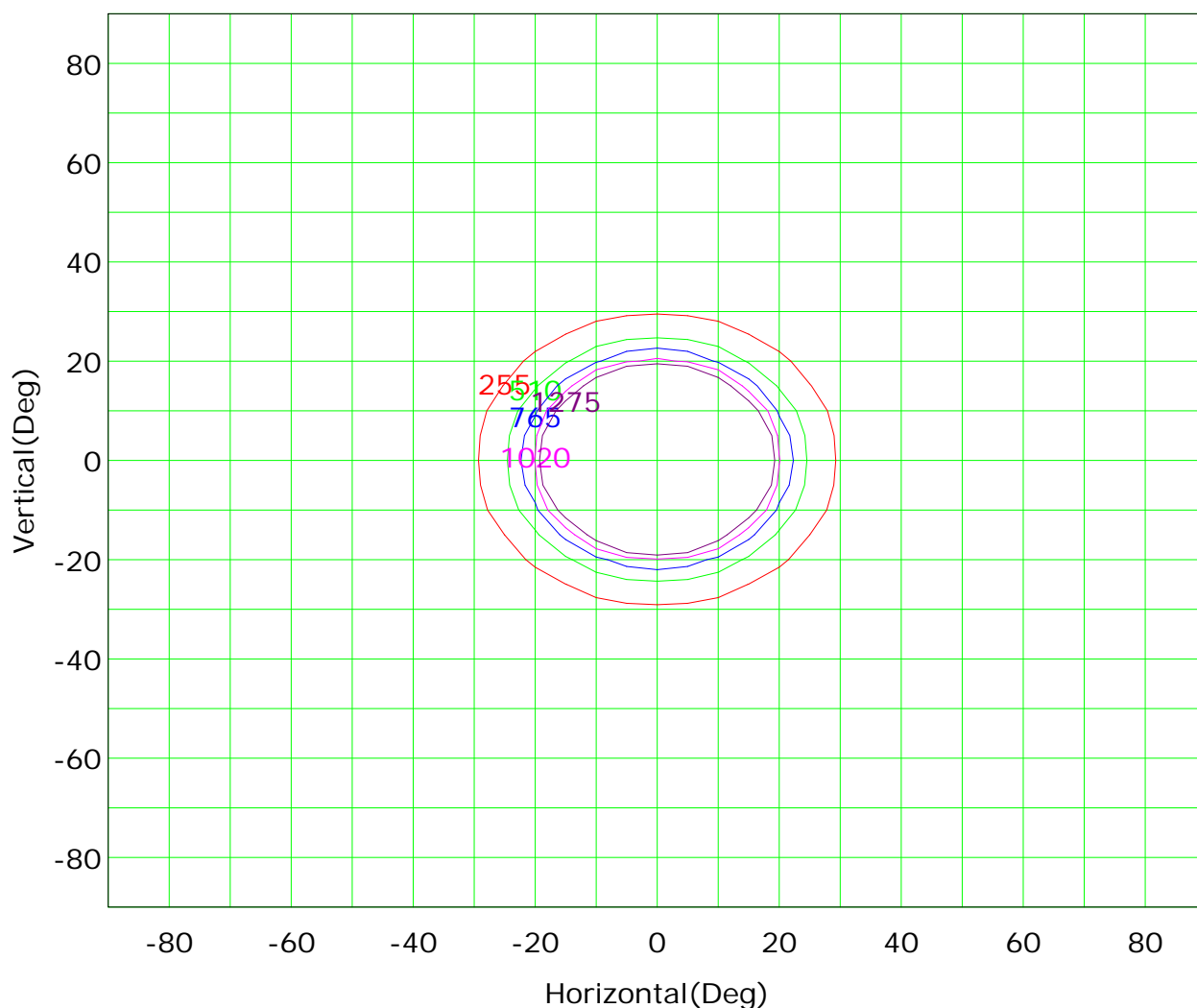
Luminous Intensity Distribution Curve



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: 3.000 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 25497 cd

(1%): 255 cd	(2%): 510 cd
(3%): 765 cd	(4%): 1020 cd
(5%): 1275 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

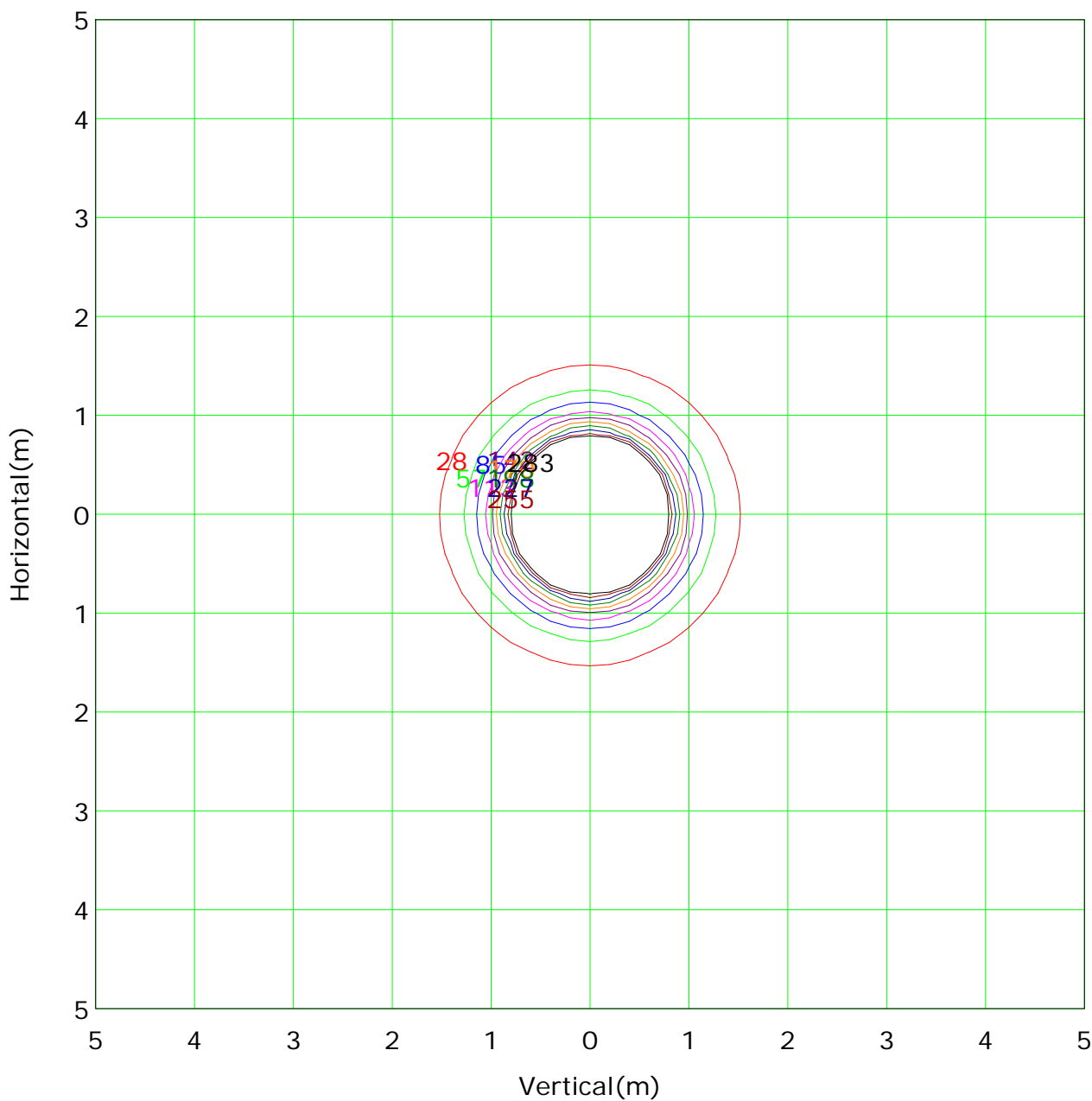
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 3m		Max Lux(100%): 2833 lx	
— (1%):	28 lx	— (2%):	57 lx
— (3%):	85 lx	— (4%):	113 lx
— (5%):	142 lx	— (6%):	170 lx
— (7%):	198 lx	— (8%):	227 lx
— (9%):	255 lx	— (10%):	283 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

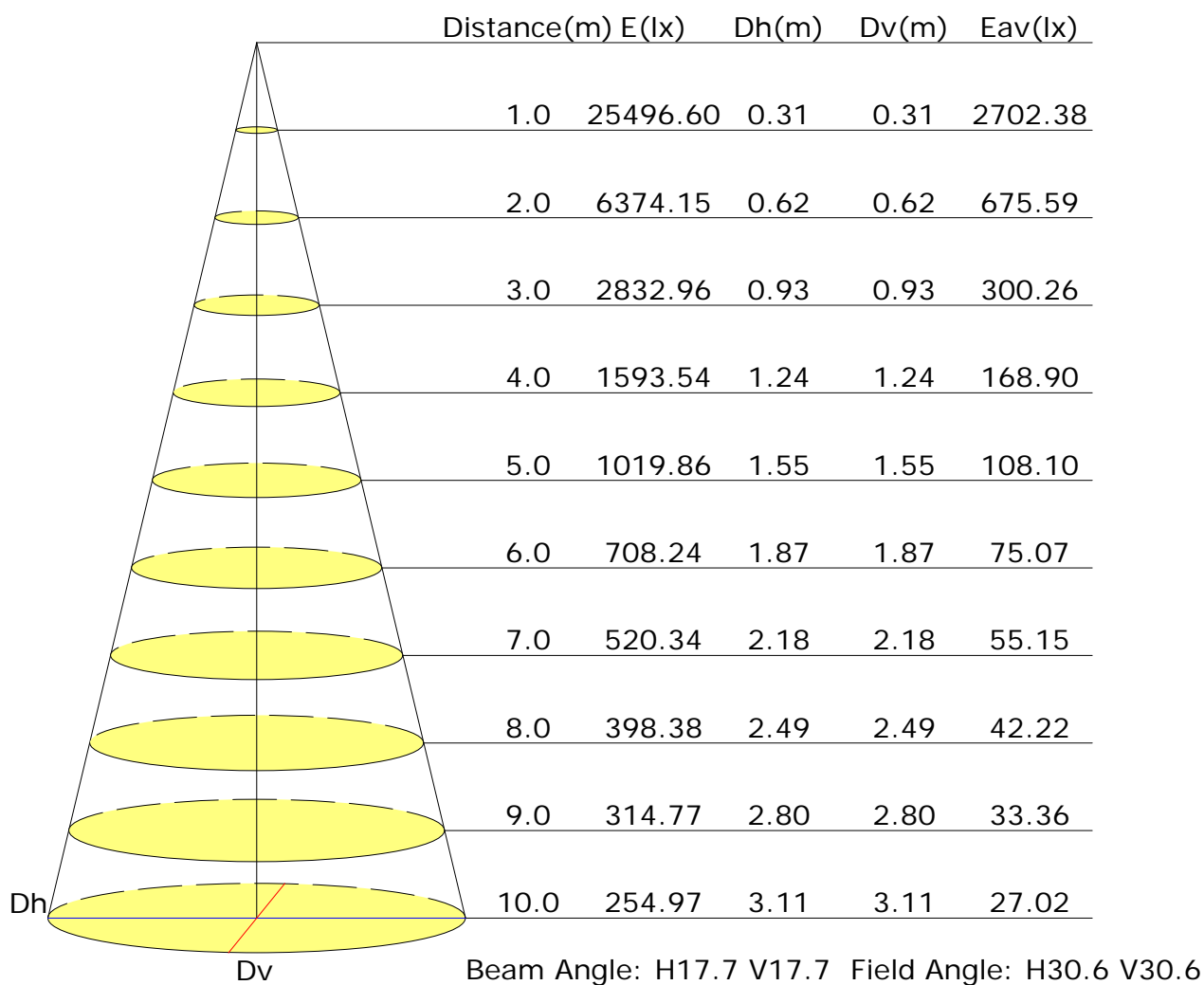
Test Device: CHL-6E

Distance: 3.000 m

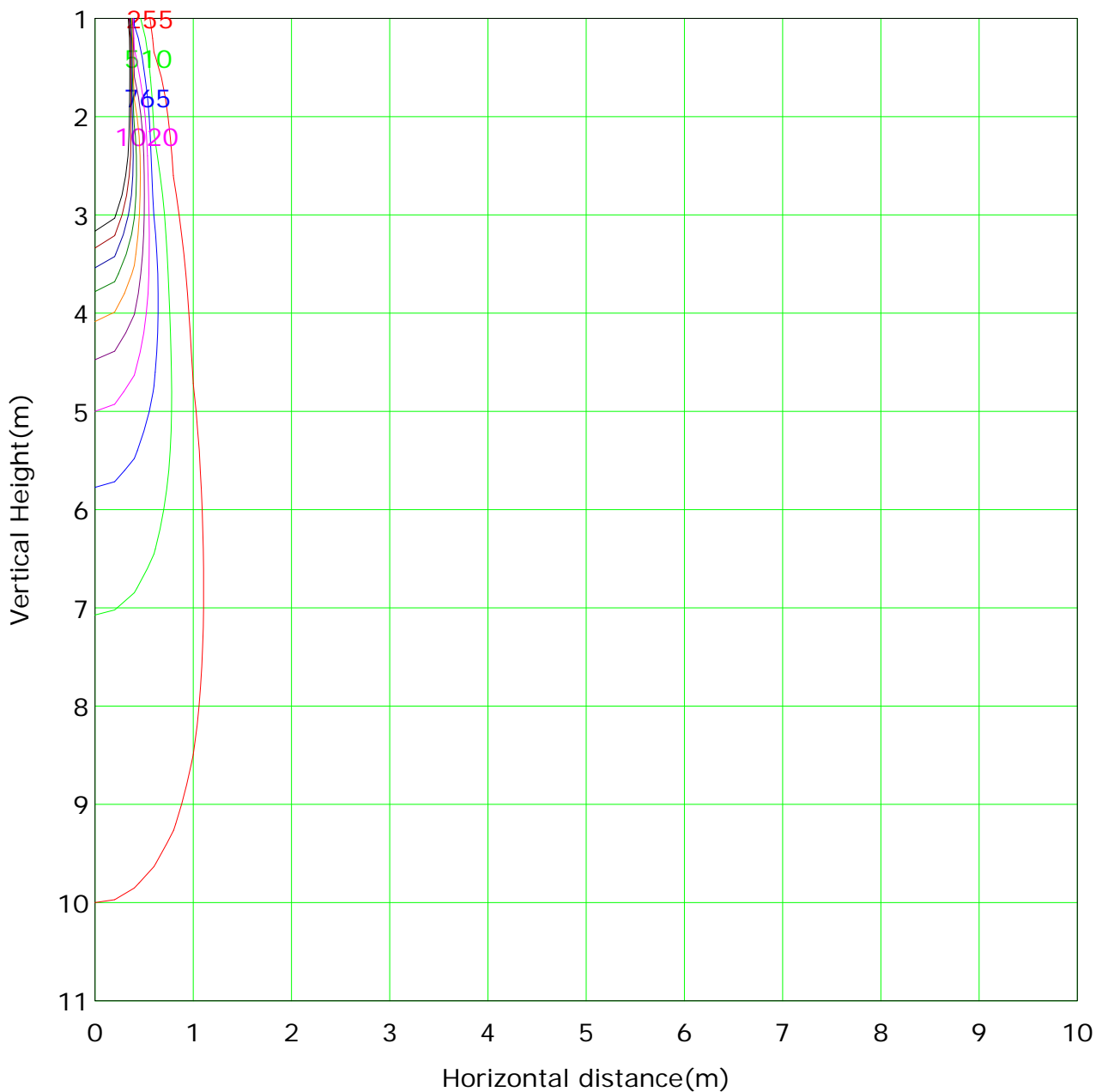
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



C Plane (°): 0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°): 0.0-90.0: 1.0

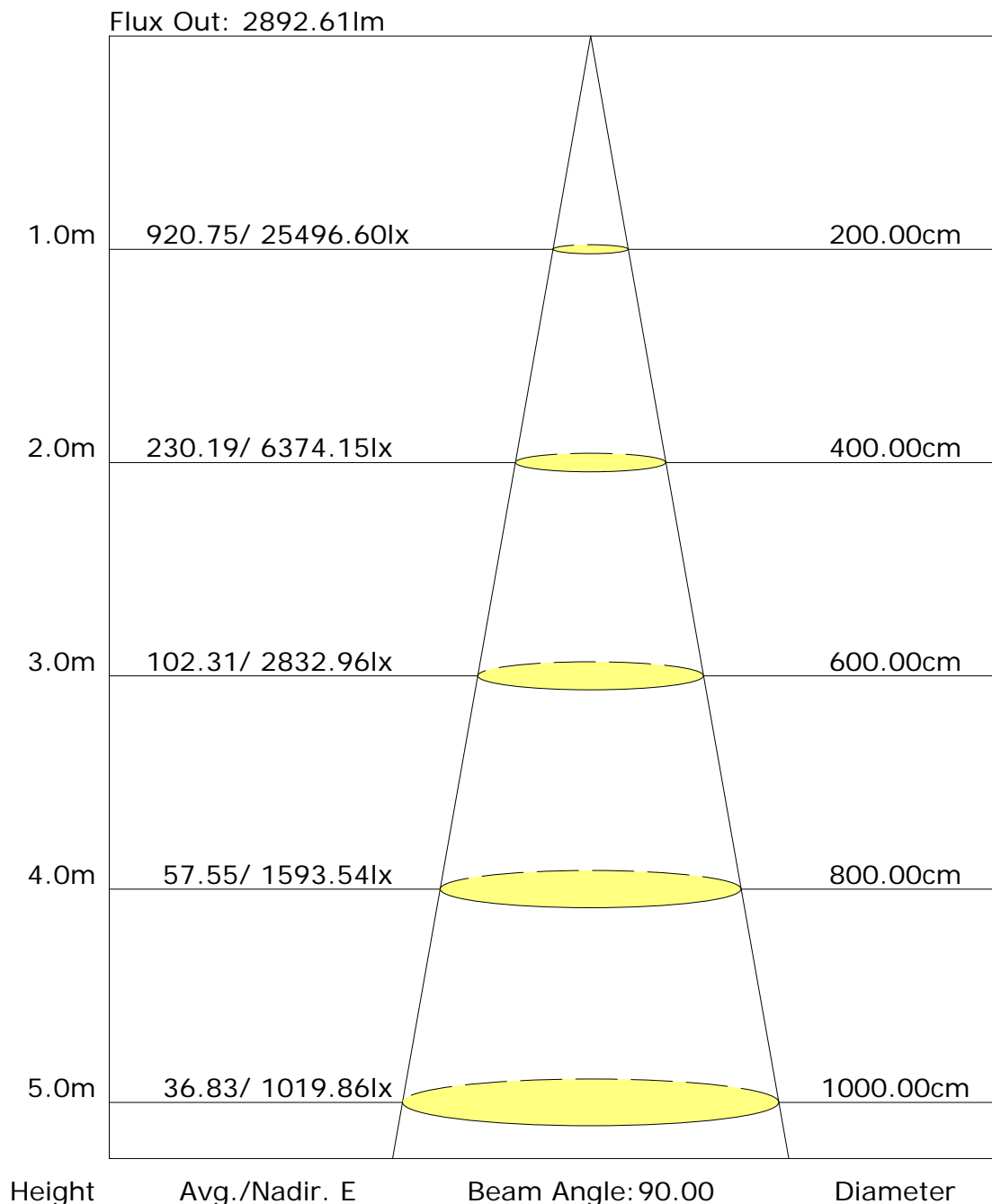
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

The average illuminance effective figure



Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	25496.6	25496.6								
G1.0	25414.4	25292.4								
G2.0	25013.2	24779.1								
G3.0	24317.3	23989.3								
G4.0	23316.1	22930.2								
G5.0	21954.3	21516.9								
G6.0	20209.3	19664.4								
G7.0	18027.0	17275.2								
G8.0	15453.4	14621.1								
G9.0	12709.0	11878.5								
G10.0	10028.8	9321.2								
G11.0	7684.7	7144.3								
G12.0	5834.9	5435.5								
G13.0	4491.2	4159.5								
G14.0	3527.0	3253.2								
G15.0	2831.1	2597.1								
G16.0	2307.9	2099.2								
G17.0	1899.5	1716.0								
G18.0	1574.2	1417.8								
G19.0	1307.6	1175.7								
G20.0	1088.0	983.2								
G21.0	910.9	828.7								
G22.0	766.3	703.0								
G23.0	650.6	602.7								
G24.0	553.9	516.9								
G25.0	473.5	441.0								
G26.0	406.6	381.3								
G27.0	352.4	328.0								
G28.0	304.5	283.8								
G29.0	263.9	245.8								
G30.0	229.5	213.3								
G31.0	199.7	188.0								
G32.0	176.2	166.3								
G33.0	157.2	148.2								
G34.0	141.0	132.8								
G35.0	126.5	120.2								
G36.0	114.8	108.4								

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: 3.000 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

GVC	C0.0	C180.0								
G37.0	102.1	97.6								
G38.0	93.1	88.6								
G39.0	84.0	79.5								
G40.0	75.0	72.3								
G41.0	67.8	65.1								
G42.0	62.3	58.7								
G43.0	56.9	53.3								
G44.0	50.6	47.0								
G45.0	46.1	43.4								
G46.0	39.8	38.9								
G47.0	35.2	34.3								
G48.0	32.5	30.7								
G49.0	28.9	26.2								
G50.0	25.3	23.5								
G51.0	21.7	20.8								
G52.0	19.0	18.1								
G53.0	15.4	16.3								
G54.0	13.6	12.6								
G55.0	12.6	9.9								
G56.0	9.0	7.2								
G57.0	7.2	6.3								
G58.0	4.5	2.7								
G59.0	2.7	0.9								
G60.0	0.0	1.8								
G61.0	0.0	0.0								
G62.0	0.0	0.0								
G63.0	0.0	0.0								
G64.0	0.0	0.0								
G65.0	0.0	0.0								
G66.0	0.0	0.0								
G67.0	0.0	0.0								
G68.0	0.0	0.0								
G69.0	0.0	0.0								
G70.0	0.0	0.0								
G71.0	0.0	0.0								
G72.0	0.0	0.0								
G73.0	0.0	0.0								

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: 3.000 m

Humidity:

Inspector:



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Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector: