

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P761978

Luminaire Tested: LD6D20D010-EU6DR1515309040-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D20D010-EU6DR1515309040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1963.6 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



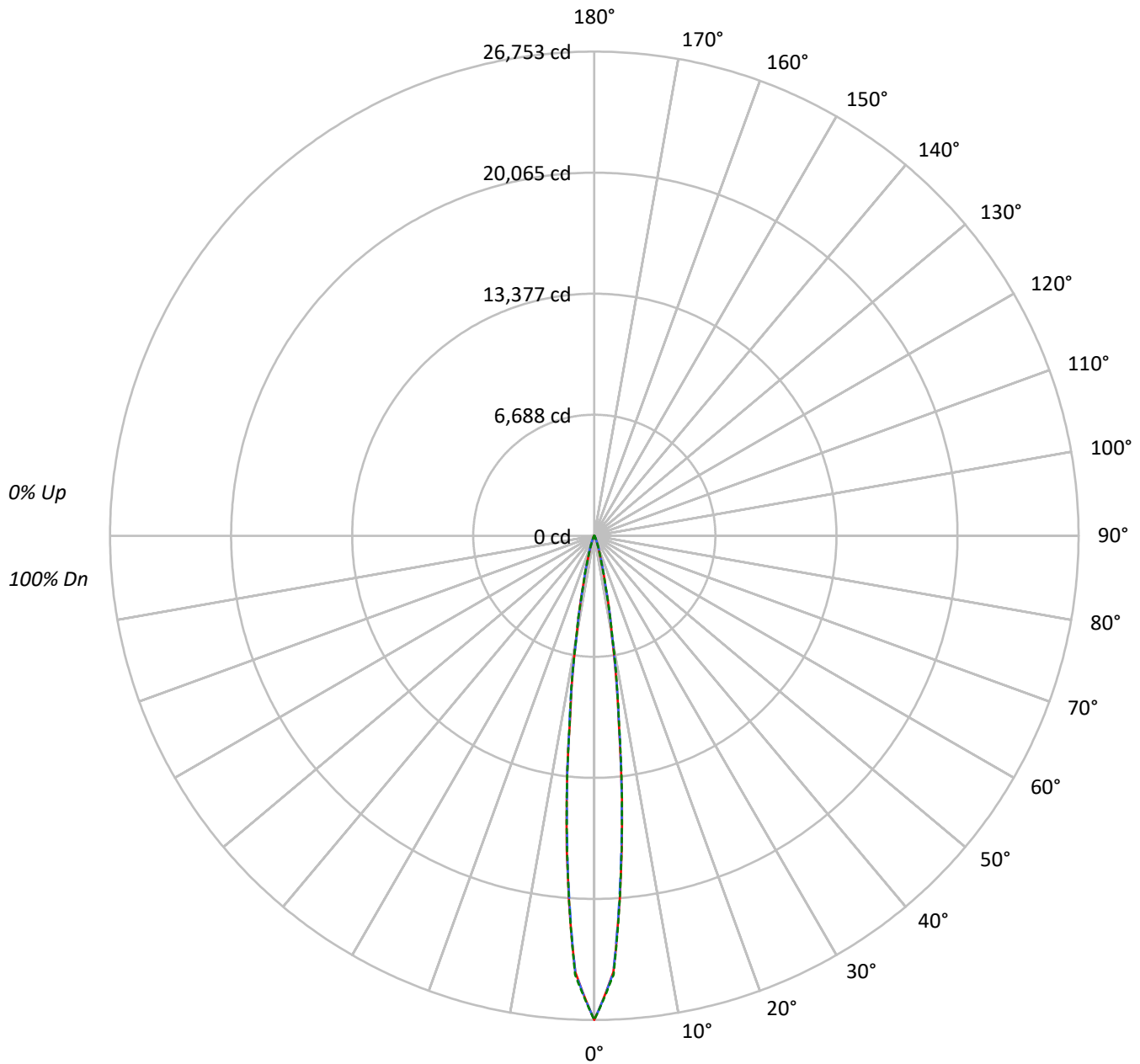
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	103	103		101
2	113	110	107	105	111	108	106	104	105	103	102		102	101	100		100
3	110	106	103	101	108	105	102	100	103	100	99		100	99	97		98
4	108	103	100	98	106	102	99	97	100	98	96		99	97	95		97
5	106	101	98	95	104	100	97	95	98	96	94		97	95	93		96
6	104	99	95	93	102	98	95	93	97	94	92		96	93	92		95
7	102	97	94	91	101	96	93	91	95	93	91		94	92	90		93
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		92
9	99	93	90	88	98	93	90	88	92	90	88		92	89	88		91
10	97	92	89	87	96	92	89	87	91	89	87		91	88	87		90

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3010280	3010280	3010280
5°	1768983	1746076	1759887
10°	527962	531657	539794
15°	131328	133881	129747
20°	39291	45502	40126
25°	13851	17645	14030
30°	5092	6702	5174
35°	2549	2876	2469
40°	1612	1768	1612
45°	1190	1267	1190
50°	946	946	946
55°	787	787	787
60°	639	639	639
65°	485	485	485
70°	417	417	417
75°	257	257	340
80°	181	181	181
85°	91	91	91

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1267 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1273.5	64.9
10°-20°	523.8	26.7
20°-30°	104.0	5.3
30°-40°	26.0	1.3
40°-50°	13.7	0.7
50°-60°	10.1	0.5
60°-70°	7.2	0.4
70°-80°	4.1	0.2
80°-90°	1.2	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1901.4	96.8
0°-40°	1927.4	98.2
0°-60°	1951.1	99.4
0°-90°	1963.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1963.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26753	26753	26753	26753	26753	
5°	17406	17227	17181	17300	17317	1271
15°	1512	1540	1541	1514	1494	518
25°	178	202	226	200	180	93
35°	35	37	40	37	34	24
45°	17	17	18	17	17	13
55°	11	11	11	11	11	10
65°	7	7	7	7	7	7
75°	3	3	3	3	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	26753.3	26753.3	26753.3	26753.3	26753.3
2.5°	24132.5	24152.9	24160.9	24184.6	24273.0
5°	17406.3	17227.3	17180.9	17299.8	17316.8
7.5°	10310.8	10347.0	10479.6	10509.0	10402.5
10°	5658.3	5704.7	5697.9	5738.7	5785.1
12.5°	2893.7	2857.4	2846.1	2892.6	2828.0
15°	1512.0	1540.3	1541.4	1514.2	1493.8
17.5°	813.2	846.0	900.4	856.2	788.3
20°	480.2	509.7	556.1	519.8	490.4
22.5°	296.7	320.5	353.4	325.0	301.3
25°	177.8	201.6	226.5	200.5	180.1
27.5°	105.3	125.7	141.6	124.6	104.2
30°	68.0	79.3	89.5	78.1	69.1
32.5°	47.6	52.1	56.6	52.1	47.6
35°	35.1	37.4	39.6	37.4	34.0
37.5°	27.2	29.4	30.6	28.3	26.0
40°	22.7	23.8	24.9	23.8	22.7
42.5°	19.3	20.4	20.4	20.4	19.3
45°	17.0	17.0	18.1	17.0	17.0
47.5°	14.7	14.7	15.9	14.7	14.7
50°	13.6	13.6	13.6	13.6	13.6
52.5°	12.5	12.5	12.5	12.5	12.5
55°	11.3	11.3	11.3	11.3	11.3
57.5°	10.2	10.2	10.2	10.2	10.2
60°	9.1	9.1	9.1	9.1	9.1
62.5°	7.9	7.9	7.9	7.9	7.9
65°	6.8	6.8	6.8	6.8	6.8
67.5°	6.8	6.8	6.8	6.8	6.8
70°	5.7	5.7	5.7	5.7	5.7
72.5°	4.5	4.5	4.5	4.5	4.5
75°	3.4	3.4	3.4	3.4	4.5
77.5°	3.4	3.4	3.4	3.4	3.4
80°	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	2.3	2.3
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)