

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: P761005

Luminaire Tested: LD6D15D010-EU6DR1515309050-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761005
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: LD6D15D010-EU6DR1515309050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1413.1 lumens
Efficiency: N/A
Efficacy: 89.4 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): 15.8
Input Voltage (V): NR
Input Current (Ain): 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



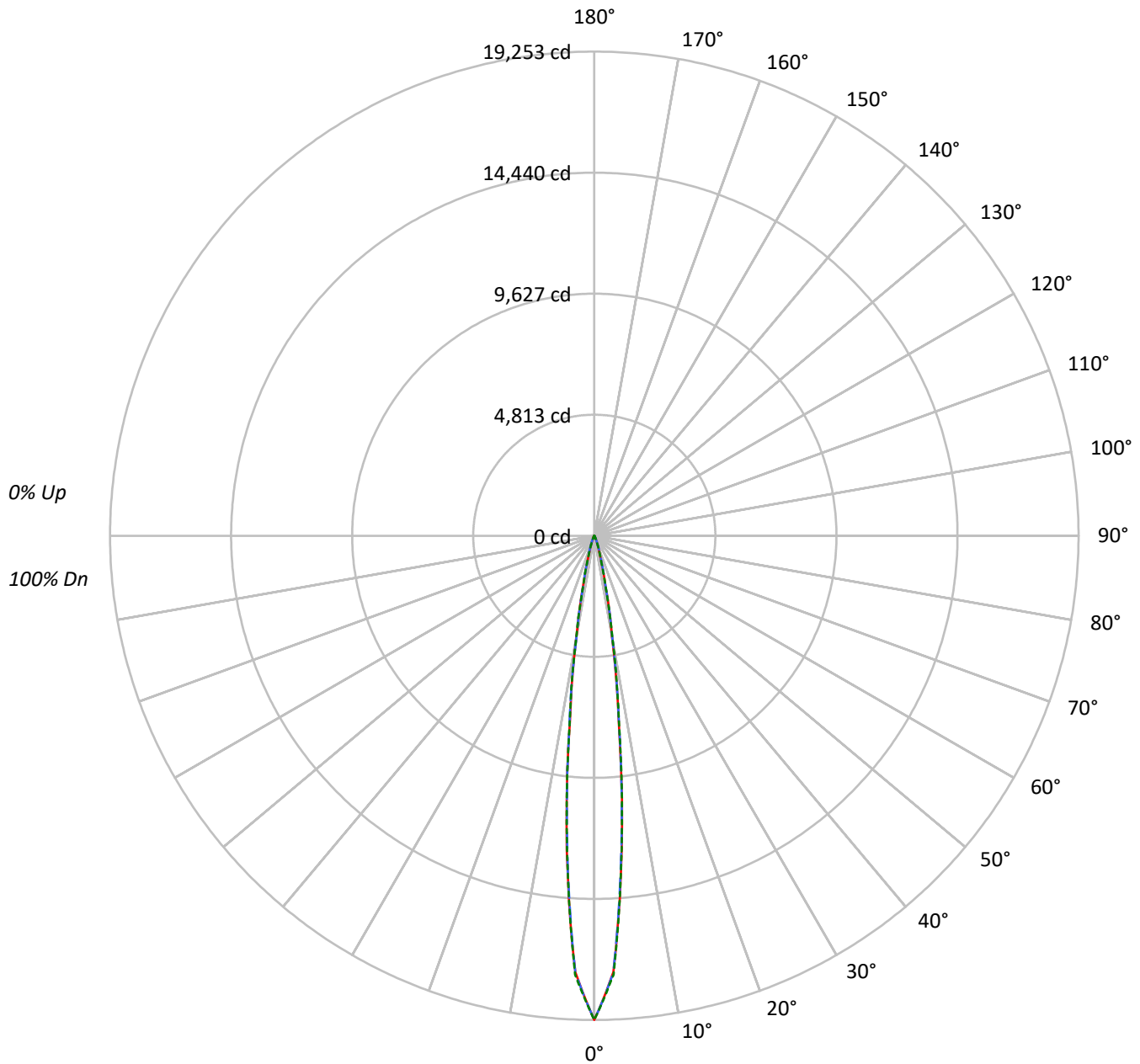
Downlight



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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					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	116	114	112	111	113	112	110	109		108	107	106		104	103	103		101	100	100
2	113	110	107	105	111	108	106	104		105	103	102		102	101	100		100	98	98
3	110	106	103	101	108	105	102	100		103	100	99		100	99	97		98	97	96
4	108	103	100	98	106	102	99	97		100	98	96		99	97	95		97	95	94
5	106	101	98	95	104	100	97	95		98	96	94		97	95	93		96	94	92
6	104	99	95	93	102	98	95	93		97	94	92		96	93	92		95	93	91
7	102	97	94	91	101	96	93	91		95	93	91		94	92	90		93	91	90
8	100	95	92	90	99	95	92	90		94	91	89		93	91	89		92	90	89
9	99	93	90	88	98	93	90	88		92	90	88		92	89	88		91	89	88
10	97	92	89	87	96	92	89	87		91	89	87		91	88	87		90	88	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2166380	2166380	2166380
5°	1273065	1256580	1266530
10°	379949	382617	388467
15°	94509	96350	93380
20°	28278	32745	28875
25°	9971	12698	10096
30°	3662	4822	3722
35°	1837	2070	1779
40°	1158	1271	1158
45°	854	910	854
50°	681	681	681
55°	571	571	571
60°	456	456	456
65°	350	350	350
70°	300	300	300
75°	181	181	249
80°	126	126	126
85°	66	66	66

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 910 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	916.5	64.9
10°-20°	377.0	26.7
20°-30°	74.9	5.3
30°-40°	18.7	1.3
40°-50°	9.8	0.7
50°-60°	7.3	0.5
60°-70°	5.1	0.4
70°-80°	2.9	0.2
80°-90°	0.9	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°	1368.4	96.8
0°-40°	1387.0	98.2
0°-60°	1404.2	99.4
0°-90°	1413.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1413.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19253	19253	19253	19253	19253	
5°	12527	12398	12364	12450	12462	915
15°	1088	1108	1109	1090	1075	373
25°	128	145	163	144	130	67
35°	25	27	28	27	24	17
45°	12	12	13	12	12	10
55°	8	8	8	8	8	7
65°	5	5	5	5	5	5
75°	2	2	2	2	3	3
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°	19253.3	19253.3	19253.3	19253.3	19253.3
2.5°	17367.3	17381.9	17387.7	17404.8	17468.3
5°	12526.6	12397.9	12364.4	12450.0	12462.3
7.5°	7420.3	7446.4	7541.7	7562.9	7486.3
10°	4072.0	4105.5	4100.6	4129.9	4163.3
12.5°	2082.5	2056.4	2048.2	2081.7	2035.2
15°	1088.1	1108.5	1109.3	1089.7	1075.1
17.5°	585.2	608.8	648.0	616.2	567.3
20°	345.6	366.8	400.2	374.1	352.9
22.5°	213.5	230.7	254.3	233.9	216.8
25°	128.0	145.1	163.0	144.3	129.6
27.5°	75.8	90.5	101.9	89.7	75.0
30°	48.9	57.1	64.4	56.2	49.7
32.5°	34.2	37.5	40.8	37.5	34.2
35°	25.3	26.9	28.5	26.9	24.5
37.5°	19.6	21.2	22.0	20.4	18.7
40°	16.3	17.1	17.9	17.1	16.3
42.5°	13.9	14.7	14.7	14.7	13.9
45°	12.2	12.2	13.0	12.2	12.2
47.5°	10.6	10.6	11.4	10.6	10.6
50°	9.8	9.8	9.8	9.8	9.8
52.5°	9.0	9.0	9.0	9.0	9.0
55°	8.2	8.2	8.2	8.2	8.2
57.5°	7.3	7.3	7.3	7.3	7.3
60°	6.5	6.5	6.5	6.5	6.5
62.5°	5.7	5.7	5.7	5.7	5.7
65°	4.9	4.9	4.9	4.9	4.9
67.5°	4.9	4.9	4.9	4.9	4.9
70°	4.1	4.1	4.1	4.1	4.1
72.5°	3.3	3.3	3.3	3.3	3.3
75°	2.4	2.4	2.4	2.4	3.3
77.5°	2.4	2.4	2.4	2.4	2.4
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)