

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: P761927

Luminaire Tested: LD6D20D010-EU6DR1515309024-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761927
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-EU6DR1515309024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1689.7 lumens
Efficiency: N/A
Efficacy: 73.1 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 (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



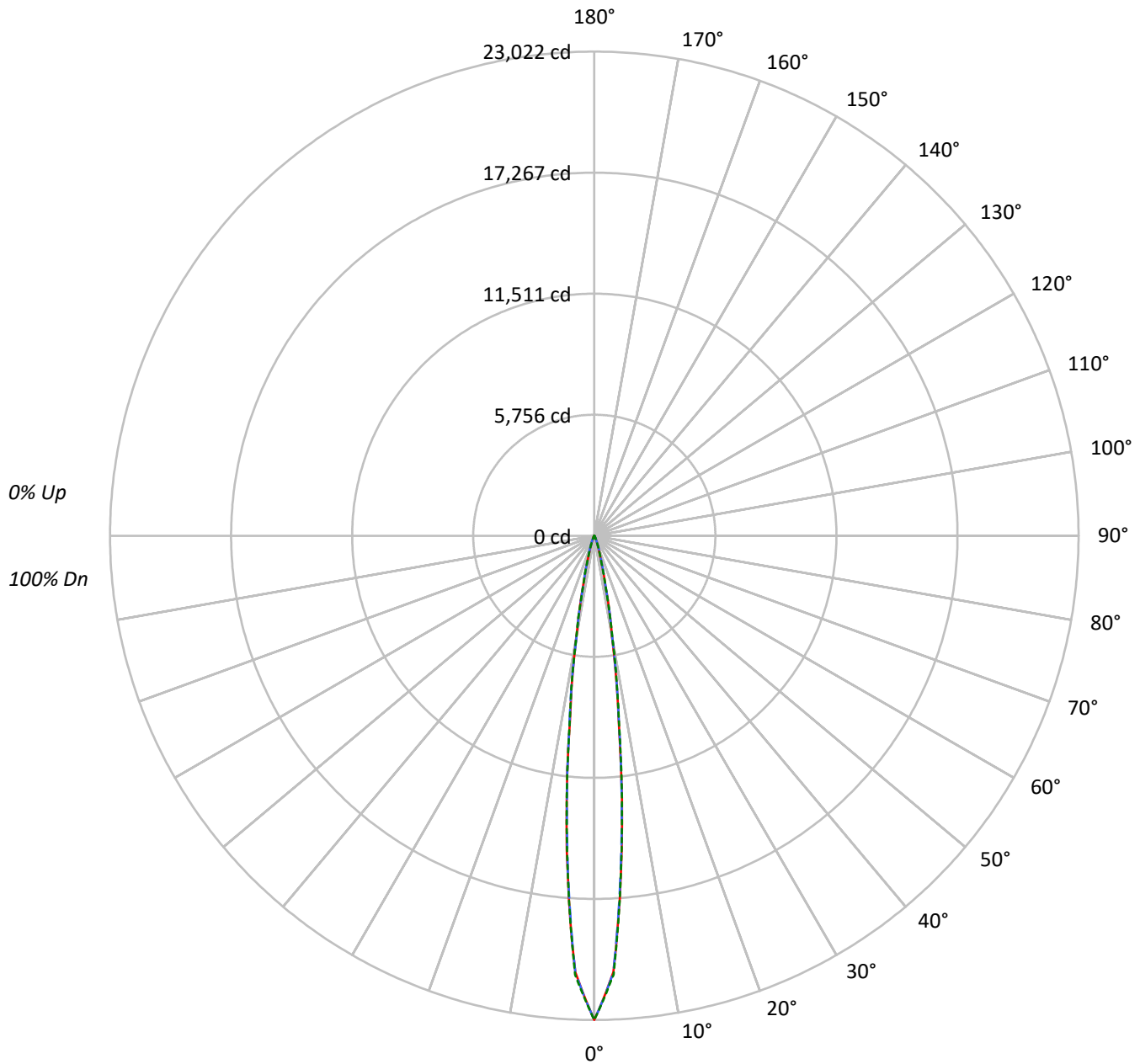
Downlight



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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					10
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°	2590457	2590457	2590457
5°	1522269	1502563	1514443
10°	454324	457506	464513
15°	113009	115207	111654
20°	33809	39152	34529
25°	11919	15183	12075
30°	4381	5766	4455
35°	2193	2476	2120
40°	1385	1520	1385
45°	1022	1092	1022
50°	814	814	814
55°	675	675	675
60°	548	548	548
65°	414	414	414
70°	358	358	358
75°	219	219	295
80°	150	150	150
85°	83	83	83

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1092 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1095.9	64.9
10°-20°	450.8	26.7
20°-30°	89.5	5.3
30°-40°	22.3	1.3
40°-50°	11.7	0.7
50°-60°	8.7	0.5
60°-70°	6.1	0.4
70°-80°	3.5	0.2
80°-90°	1.0	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°	1636.2	96.8
0°-40°	1658.5	98.2
0°-60°	1679.0	99.4
0°-90°	1689.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1689.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23022	23022	23022	23022	23022	
5°	14979	14825	14785	14887	14902	1094
15°	1301	1326	1326	1303	1286	446
25°	153	174	195	172	155	80
35°	30	32	34	32	29	21
45°	15	15	16	15	15	11
55°	10	10	10	10	10	9
65°	6	6	6	6	6	6
75°	3	3	3	3	4	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°	23022.2	23022.2	23022.2	23022.2	23022.2
2.5°	20766.9	20784.5	20791.3	20811.8	20887.8
5°	14978.7	14824.7	14784.8	14887.1	14901.7
7.5°	8872.8	8904.0	9018.0	9043.4	8951.8
10°	4869.1	4909.1	4903.2	4938.3	4978.3
12.5°	2490.1	2458.9	2449.2	2489.1	2433.6
15°	1301.1	1325.5	1326.4	1303.0	1285.5
17.5°	699.8	728.0	774.8	736.8	678.3
20°	413.2	438.6	478.5	447.3	422.0
22.5°	255.3	275.8	304.1	279.7	259.2
25°	153.0	173.5	194.9	172.5	155.0
27.5°	90.6	108.2	121.8	107.2	89.7
30°	58.5	68.2	77.0	67.2	59.5
32.5°	40.9	44.8	48.7	44.8	40.9
35°	30.2	32.2	34.1	32.2	29.2
37.5°	23.4	25.3	26.3	24.4	22.4
40°	19.5	20.5	21.4	20.5	19.5
42.5°	16.6	17.5	17.5	17.5	16.6
45°	14.6	14.6	15.6	14.6	14.6
47.5°	12.7	12.7	13.6	12.7	12.7
50°	11.7	11.7	11.7	11.7	11.7
52.5°	10.7	10.7	10.7	10.7	10.7
55°	9.7	9.7	9.7	9.7	9.7
57.5°	8.8	8.8	8.8	8.8	8.8
60°	7.8	7.8	7.8	7.8	7.8
62.5°	6.8	6.8	6.8	6.8	6.8
65°	5.8	5.8	5.8	5.8	5.8
67.5°	5.8	5.8	5.8	5.8	5.8
70°	4.9	4.9	4.9	4.9	4.9
72.5°	3.9	3.9	3.9	3.9	3.9
75°	2.9	2.9	2.9	2.9	3.9
77.5°	2.9	2.9	2.9	2.9	2.9
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9
85°	1.0	1.0	1.0	1.0	1.0
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)