

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: P761202

Luminaire Tested: LD6D15D010-EU6DR300215IC9030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR300215IC9030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1507.4 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
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



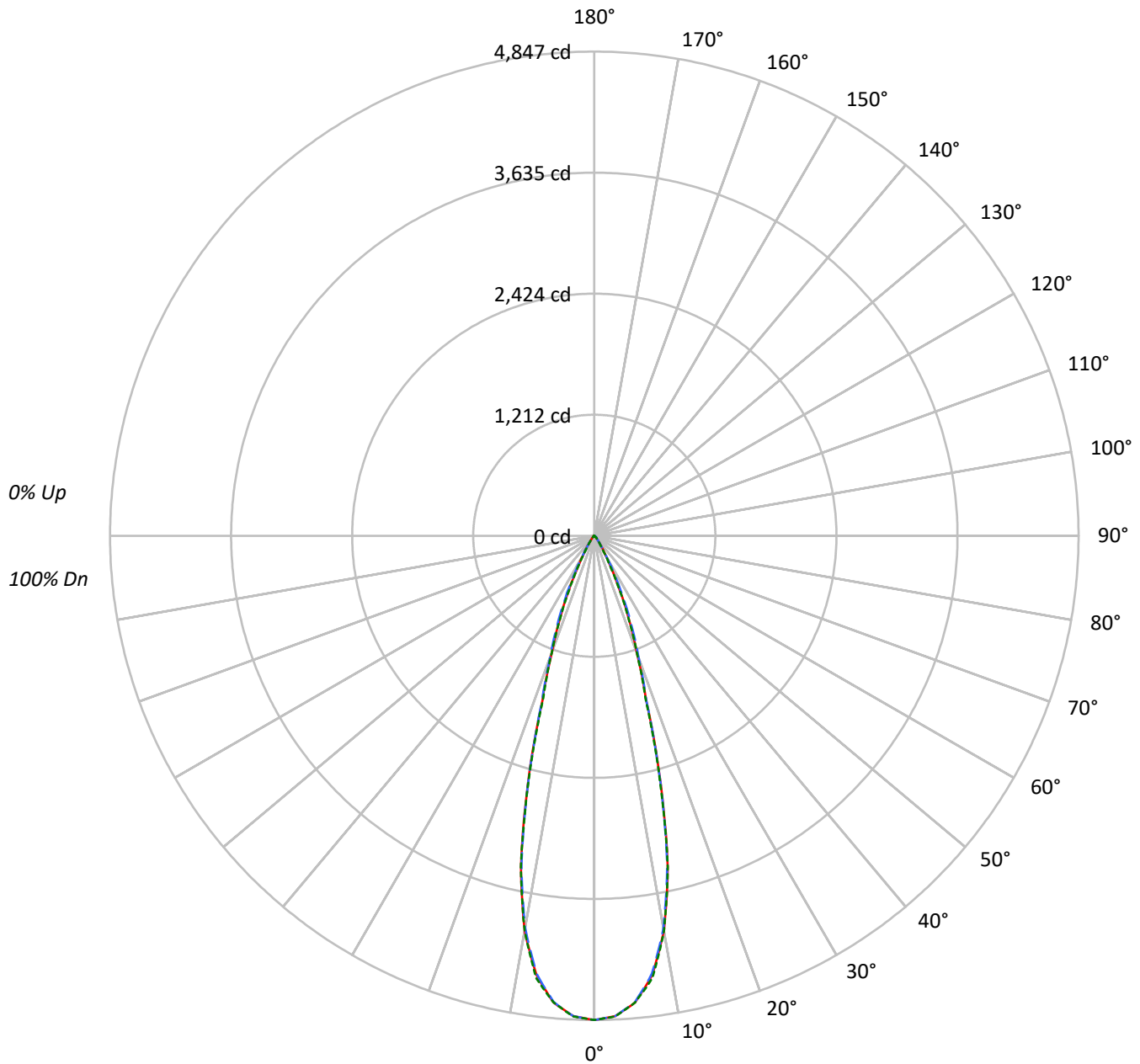
Downlight



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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				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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	370998	370998	370998
5°	360344	359930	360367
10°	312117	309910	312039
15°	203640	202547	201532
20°	101258	105062	101127
25°	51003	57523	49964
30°	20426	22255	17792
35°	9475	9073	7606
40°	4087	4536	3857
45°	2879	3583	2912
50°	988	2608	1048
55°	574	1081	601
60°	398	475	398
65°	254	254	254
70°	157	112	157
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3583 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.2	28.3
10°-20°	686.4	45.5
20°-30°	296.6	19.7
30°-40°	67.6	4.5
40°-50°	23.2	1.5
50°-60°	5.7	0.4
60°-70°	1.5	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	1409.2	93.5
0°-40°	1476.9	98.0
0°-60°	1505.7	99.9
0°-90°	1507.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1507.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4847	4847	4847	4847	4847	
5°	4690	4685	4684	4694	4690	427
15°	2570	2539	2556	2548	2543	688
25°	604	627	681	611	592	289
35°	101	104	97	96	81	69
45°	27	33	33	33	27	19
55°	4	4	8	5	4	4
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4846.9	4846.9	4846.9	4846.9	4846.9
2.5°	4814.8	4811.4	4813.4	4815.7	4816.7
5°	4689.8	4685.3	4684.4	4694.1	4690.1
7.5°	4437.8	4431.4	4421.6	4443.7	4464.5
10°	4015.7	4008.5	3987.3	3997.8	4014.7
12.5°	3392.4	3369.4	3368.9	3402.2	3397.7
15°	2569.8	2538.9	2556.0	2547.7	2543.2
17.5°	1728.1	1716.2	1739.1	1732.1	1702.4
20°	1243.1	1246.2	1289.8	1267.9	1241.5
22.5°	907.2	918.3	969.9	913.6	892.8
25°	603.9	626.8	681.1	610.9	591.6
27.5°	371.4	381.9	436.9	366.7	356.3
30°	231.1	225.9	251.8	216.1	201.3
32.5°	151.6	144.9	153.3	137.6	125.6
35°	101.4	103.5	97.1	96.4	81.4
37.5°	63.3	72.8	64.2	68.5	52.4
40°	40.9	52.8	45.4	50.2	38.6
42.5°	33.6	40.7	37.4	39.8	34.3
45°	26.6	33.1	33.1	33.1	26.9
47.5°	14.8	22.1	28.3	22.6	15.7
50°	8.3	11.2	21.9	11.7	8.8
52.5°	5.7	6.4	15.0	6.6	6.0
55°	4.3	4.5	8.1	4.8	4.5
57.5°	3.3	3.6	4.3	3.6	3.3
60°	2.6	2.6	3.1	2.9	2.6
62.5°	1.9	1.9	2.1	1.9	1.9
65°	1.4	1.4	1.4	1.4	1.4
67.5°	0.7	1.0	1.0	1.0	1.0
70°	0.7	0.5	0.5	0.5	0.7
72.5°	0.5	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)