

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: P761226

Luminaire Tested: LD6D15D010-EU6DR300215IC9040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761226
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-EU6DR300215IC9040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1635.3 lumens
Efficiency: N/A
Efficacy: 103.5 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 (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



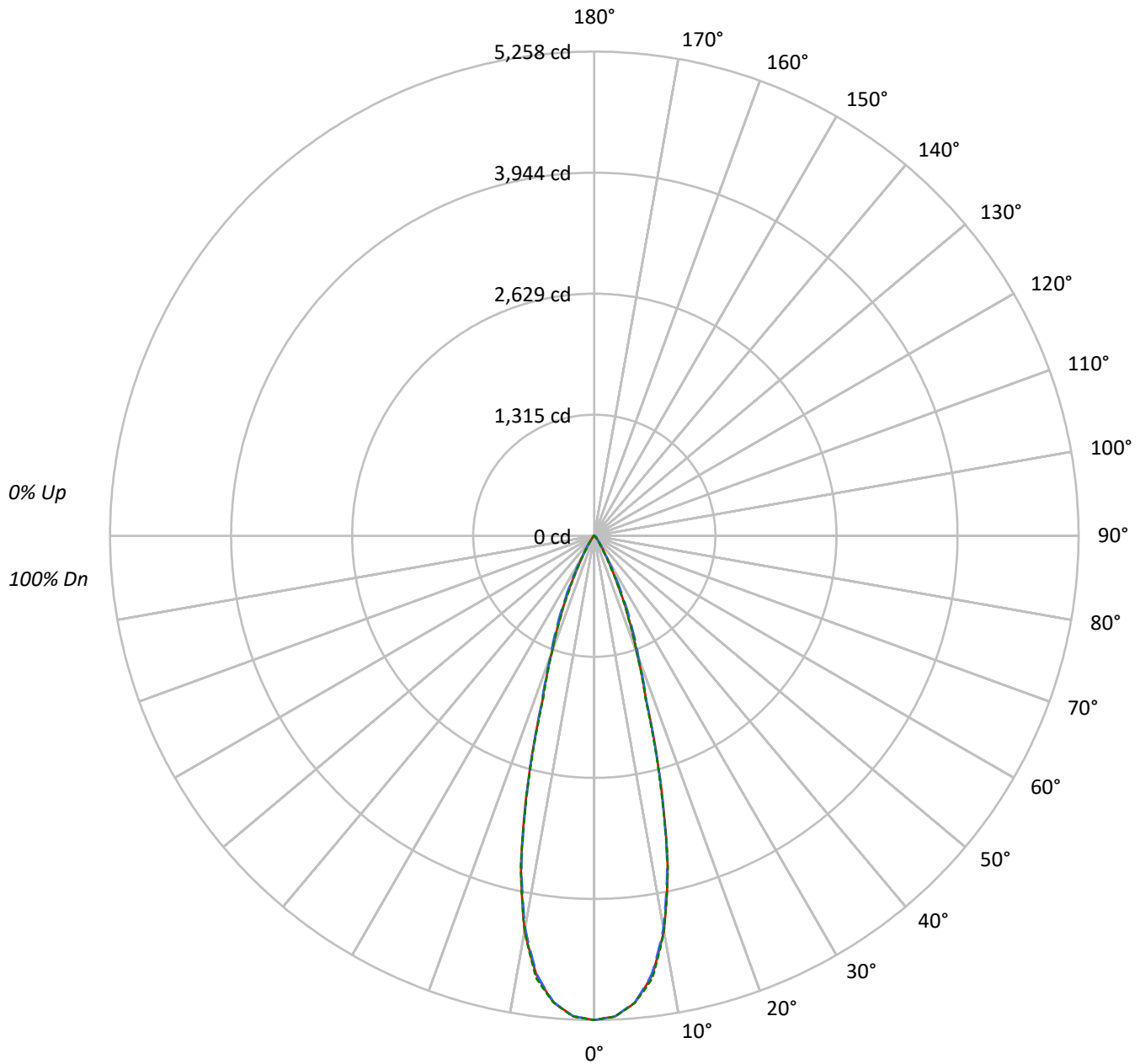
Downlight



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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92		
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89		
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85		
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82		
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79		
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77		
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74		
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72		
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	402480	402480	402480
5°	390933	390472	390948
10°	338605	336212	338528
15°	220923	219734	218633
20°	109851	113981	109705
25°	55336	62405	54204
30°	22158	24138	19303
35°	10269	9839	8251
40°	4436	4926	4177
45°	3128	3886	3161
50°	1084	2834	1143
55°	614	1174	654
60°	444	520	444
65°	272	272	272
70°	179	112	179
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3886 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.4	28.3
10°-20°	744.7	45.5
20°-30°	321.8	19.7
30°-40°	73.3	4.5
40°-50°	25.2	1.5
50°-60°	6.2	0.4
60°-70°	1.6	0.1
70°-80°	0.2	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°	1528.8	93.5
0°-40°	1602.2	98.0
0°-60°	1633.5	99.9
0°-90°	1635.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1635.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5258	5258	5258	5258	5258	
5°	5088	5083	5082	5092	5088	463
15°	2788	2754	2773	2764	2759	746
25°	655	680	739	663	642	314
35°	110	112	105	105	88	75
45°	29	36	36	36	29	21
55°	5	5	9	5	5	5
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5258.2	5258.2	5258.2	5258.2	5258.2
2.5°	5223.4	5219.8	5221.8	5224.4	5225.4
5°	5087.9	5082.9	5081.9	5092.5	5088.1
7.5°	4814.4	4807.5	4796.9	4820.9	4843.4
10°	4356.5	4348.7	4325.7	4337.1	4355.5
12.5°	3680.3	3655.3	3654.8	3690.9	3686.0
15°	2787.9	2754.3	2772.9	2763.9	2759.0
17.5°	1874.8	1861.9	1886.6	1879.2	1846.9
20°	1348.6	1352.0	1399.3	1375.5	1346.8
22.5°	984.1	996.2	1052.3	991.1	968.6
25°	655.2	680.0	738.9	662.7	641.8
27.5°	403.0	414.4	474.0	397.8	386.5
30°	250.7	245.0	273.1	234.4	218.4
32.5°	164.4	157.2	166.3	149.2	136.3
35°	109.9	112.3	105.3	104.6	88.3
37.5°	68.7	79.0	69.7	74.4	56.8
40°	44.4	57.3	49.3	54.5	41.8
42.5°	36.4	44.1	40.5	43.1	37.2
45°	28.9	35.9	35.9	35.9	29.2
47.5°	16.0	24.0	30.7	24.5	17.0
50°	9.1	12.1	23.8	12.7	9.6
52.5°	6.2	7.0	16.3	7.2	6.5
55°	4.6	4.9	8.8	5.2	4.9
57.5°	3.6	3.9	4.6	3.9	3.6
60°	2.9	2.9	3.4	3.1	2.9
62.5°	2.1	2.1	2.3	2.1	2.1
65°	1.5	1.5	1.5	1.5	1.5
67.5°	0.8	1.0	1.0	1.0	1.0
70°	0.8	0.5	0.5	0.5	0.8
72.5°	0.5	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	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)