

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: P788977

Luminaire Tested: LER6D10D010-EC6DR300210IC9040-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788977
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: LER6D10D010-EC6DR300210IC9040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 2017.8 lumens
Efficiency: N/A
Efficacy: 172.5 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): 11.7
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

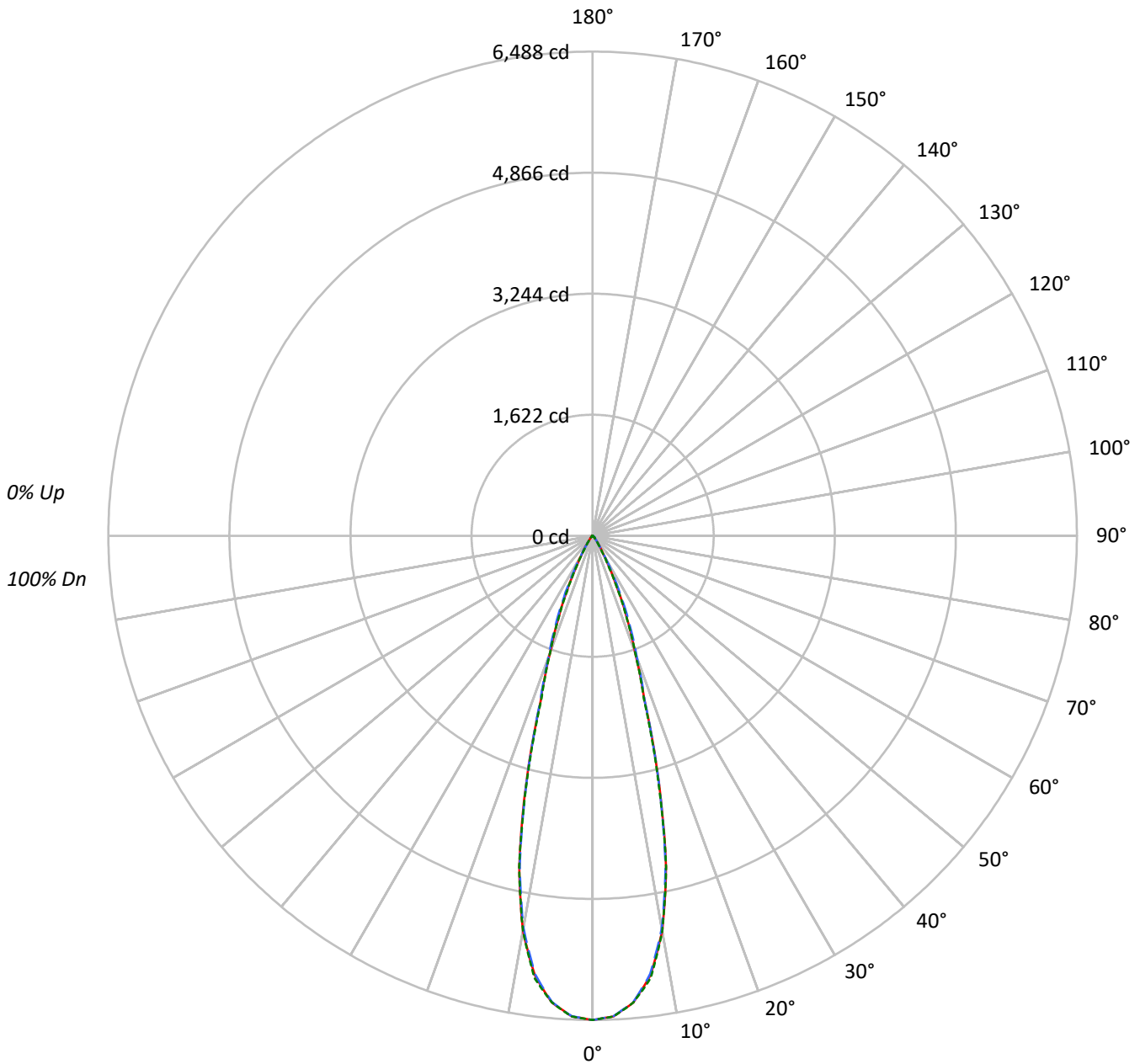


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20										
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0					
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°	496644	496644	496644
5°	482383	481822	482406
10°	417822	414868	417721
15°	272606	271140	269777
20°	135551	140642	135371
25°	68283	76999	66881
30°	27337	29786	23820
35°	12680	12147	10176
40°	5476	6075	5156
45°	3864	4795	3897
50°	1322	3489	1405
55°	761	1441	814
60°	536	628	536
65°	344	344	344
70°	224	134	224
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 4795 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	570.6	28.3
10°-20°	918.9	45.5
20°-30°	397.1	19.7
30°-40°	90.5	4.5
40°-50°	31.1	1.5
50°-60°	7.6	0.4
60°-70°	2.0	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°	1886.5	93.5
0°-40°	1977.0	98.0
0°-60°	2015.7	99.9
0°-90°	2017.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2017.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6488	6488	6488	6488	6488	
5°	6278	6272	6271	6284	6278	571
15°	3440	3399	3422	3410	3404	921
25°	808	839	912	818	792	387
35°	136	139	130	129	109	92
45°	36	44	44	44	36	25
55°	6	6	11	6	6	6
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°	6488.4	6488.4	6488.4	6488.4	6488.4
2.5°	6445.4	6440.9	6443.5	6446.6	6447.9
5°	6278.1	6272.1	6270.8	6283.9	6278.4
7.5°	5940.8	5932.2	5919.1	5948.7	5976.5
10°	5375.7	5366.1	5337.7	5351.8	5374.4
12.5°	4541.4	4510.5	4509.8	4554.4	4548.4
15°	3440.1	3398.7	3421.6	3410.5	3404.4
17.5°	2313.4	2297.4	2328.0	2318.8	2279.0
20°	1664.1	1668.3	1726.6	1697.3	1661.9
22.5°	1214.3	1229.3	1298.4	1222.9	1195.2
25°	808.5	839.1	911.7	817.7	791.9
27.5°	497.3	511.3	584.9	490.9	476.9
30°	309.3	302.3	337.0	289.3	269.5
32.5°	202.9	194.0	205.2	184.1	168.2
35°	135.7	138.6	130.0	129.0	108.9
37.5°	84.7	97.5	86.0	91.7	70.1
40°	54.8	70.7	60.8	67.2	51.6
42.5°	44.9	54.5	50.0	53.2	45.9
45°	35.7	44.3	44.3	44.3	36.0
47.5°	19.8	29.6	37.9	30.3	21.0
50°	11.1	15.0	29.3	15.6	11.8
52.5°	7.6	8.6	20.1	8.9	8.0
55°	5.7	6.1	10.8	6.4	6.1
57.5°	4.5	4.8	5.7	4.8	4.5
60°	3.5	3.5	4.1	3.8	3.5
62.5°	2.5	2.5	2.9	2.5	2.5
65°	1.9	1.9	1.9	1.9	1.9
67.5°	1.0	1.3	1.3	1.3	1.3
70°	1.0	0.6	0.6	0.6	1.0
72.5°	0.6	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

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

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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