

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: P788989

Luminaire Tested: LER6D10D010-EC6DR300210IC9050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788989
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-EC6DR300210IC9050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2099.0 lumens
Efficiency: N/A
Efficacy: 179.4 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

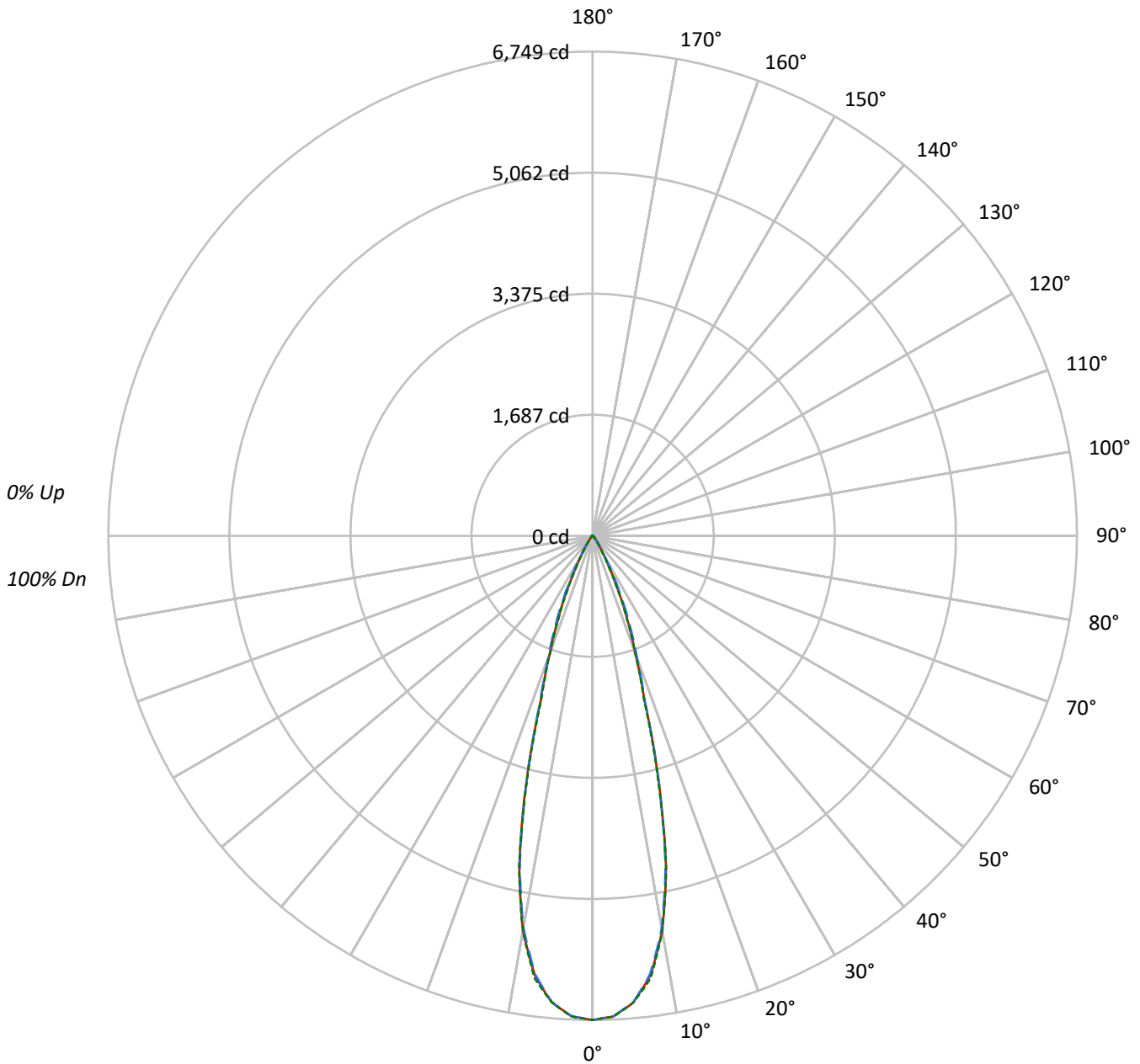
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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									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°	516614	516614	516614
5°	501784	501200	501814
10°	434626	431556	434517
15°	283573	282044	280625
20°	141008	146295	140821
25°	71028	80098	69575
30°	28442	30988	24774
35°	13194	12633	10587
40°	5695	6325	5366
45°	4016	4990	4049
50°	1381	3632	1465
55°	801	1508	841
60°	551	658	551
65°	362	362	362
70°	224	157	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: 4990 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	593.5	28.3
10°-20°	955.8	45.5
20°-30°	413.0	19.7
30°-40°	94.1	4.5
40°-50°	32.3	1.5
50°-60°	7.9	0.4
60°-70°	2.1	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°	1962.4	93.5
0°-40°	2056.5	98.0
0°-60°	2096.7	99.9
0°-90°	2099.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2099.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6749	6749	6749	6749	6749	
5°	6531	6524	6523	6537	6531	594
15°	3578	3535	3559	3548	3541	958
25°	841	873	948	851	824	403
35°	141	144	135	134	113	96
45°	37	46	46	46	37	26
55°	6	6	11	7	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6749.3	6749.3	6749.3	6749.3	6749.3
2.5°	6704.6	6700.0	6702.6	6705.9	6707.3
5°	6530.6	6524.3	6523.0	6536.6	6531.0
7.5°	6179.7	6170.8	6157.2	6188.0	6216.8
10°	5591.9	5581.9	5552.4	5567.0	5590.5
12.5°	4724.0	4691.9	4691.2	4737.6	4731.3
15°	3578.5	3535.4	3559.2	3547.6	3541.3
17.5°	2406.4	2389.8	2421.6	2412.0	2370.6
20°	1731.1	1735.4	1796.0	1765.5	1728.8
22.5°	1263.2	1278.8	1350.7	1272.1	1243.3
25°	841.0	872.8	948.4	850.6	823.8
27.5°	517.3	531.8	608.4	510.6	496.1
30°	321.8	314.5	350.6	300.9	280.3
32.5°	211.1	201.8	213.4	191.5	175.0
35°	141.2	144.1	135.2	134.2	113.3
37.5°	88.1	101.4	89.5	95.4	72.9
40°	57.0	73.6	63.3	69.9	53.7
42.5°	46.7	56.7	52.0	55.3	47.7
45°	37.1	46.1	46.1	46.1	37.4
47.5°	20.5	30.8	39.4	31.5	21.9
50°	11.6	15.6	30.5	16.2	12.3
52.5°	8.0	8.9	20.9	9.3	8.3
55°	6.0	6.3	11.3	6.6	6.3
57.5°	4.6	5.0	6.0	5.0	4.6
60°	3.6	3.6	4.3	4.0	3.6
62.5°	2.7	2.7	3.0	2.7	2.7
65°	2.0	2.0	2.0	2.0	2.0
67.5°	1.0	1.3	1.3	1.3	1.3
70°	1.0	0.7	0.7	0.7	1.0
72.5°	0.7	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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