

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: P793269

Luminaire Tested: LER6D50D010-EC6DR3040509030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793269
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: LER6D50D010-EC6DR3040509030-6LBS1LI
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: 6215.8 lumens
Efficiency: N/A
Efficacy: 132.3 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

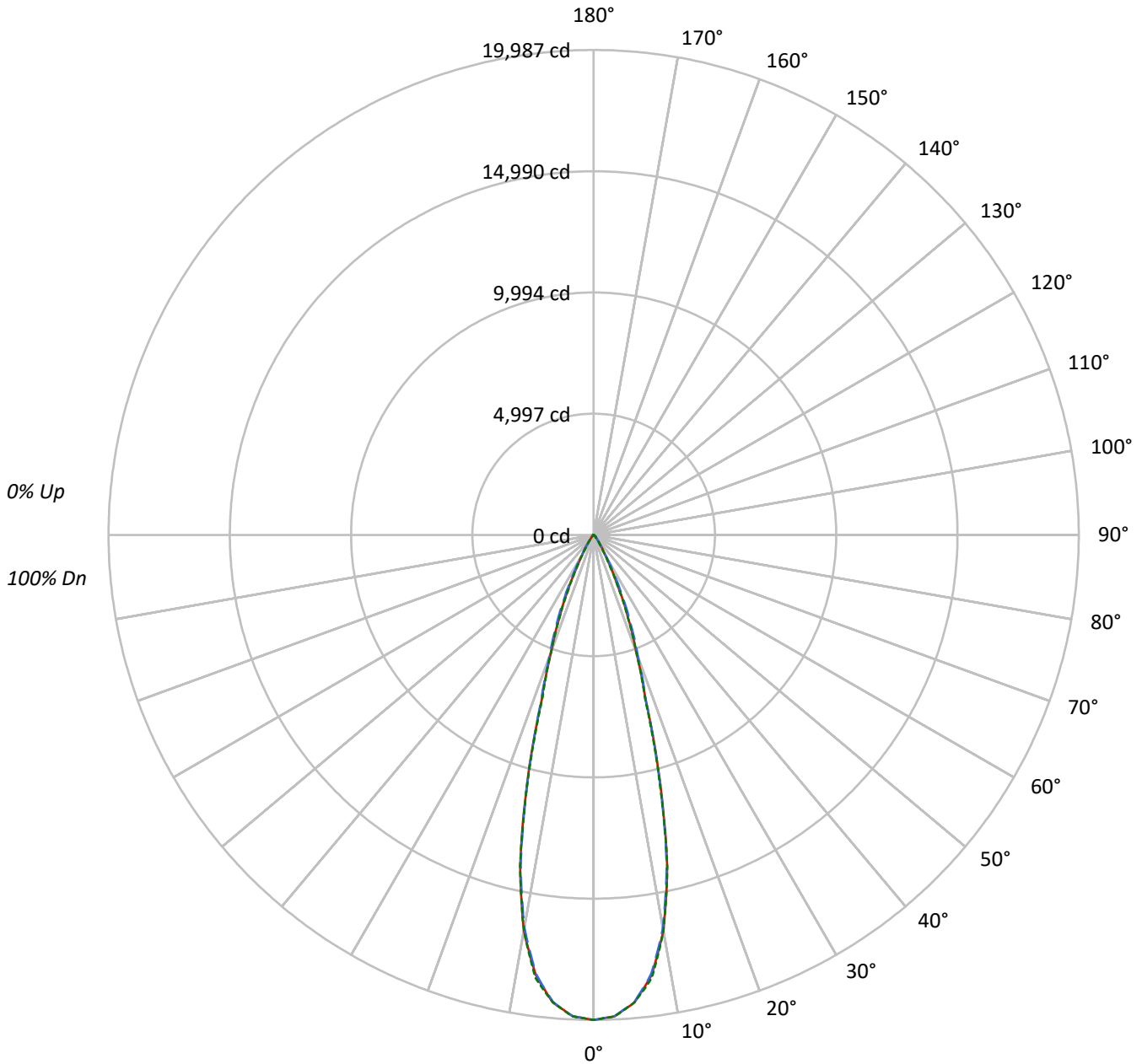
Input Watts (W): 47
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1529858	1529858	1529858
5°	1485943	1484206	1486019
10°	1287051	1277972	1286747
15°	839736	835227	831027
20°	417559	433231	417005
25°	210338	237187	206031
30°	84213	91761	73377
35°	39059	37414	31359
40°	16867	18725	15887
45°	11897	14765	12005
50°	4084	10753	4323
55°	2362	4457	2482
60°	1653	1960	1653
65°	1069	1069	1069
70°	649	448	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14765 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1757.5	28.3
10°-20°	2830.5	45.5
20°-30°	1223.2	19.7
30°-40°	278.8	4.5
40°-50°	95.7	1.5
50°-60°	23.4	0.4
60°-70°	6.1	0.1
70°-80°	0.6	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°	5811.2	93.5
0°-40°	6090.0	98.0
0°-60°	6209.1	99.9
0°-90°	6215.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6215.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19987	19987	19987	19987	19987	
5°	19339	19321	19317	19357	19340	1759
15°	10597	10469	10540	10506	10487	2837
25°	2490	2585	2808	2519	2440	1192
35°	418	427	400	397	336	284
45°	110	136	136	136	111	78
55°	18	19	33	20	19	17
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
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°	19986.8	19986.8	19986.8	19986.8	19986.8
2.5°	19854.4	19840.6	19848.5	19858.3	19862.2
5°	19339.2	19320.6	19316.6	19356.9	19340.2
7.5°	18300.0	18273.5	18233.3	18324.5	18409.9
10°	16559.2	16529.8	16442.4	16485.6	16555.3
12.5°	13989.2	13894.0	13892.1	14029.5	14010.8
15°	10596.9	10469.3	10540.0	10505.7	10487.0
17.5°	7126.1	7077.0	7171.2	7142.8	7020.1
20°	5126.2	5139.0	5318.6	5228.3	5119.4
22.5°	3740.7	3786.8	3999.7	3767.2	3681.8
25°	2490.5	2584.7	2808.4	2519.0	2439.5
27.5°	1531.8	1575.0	1801.6	1512.2	1469.0
30°	952.8	931.2	1038.2	891.0	830.2
32.5°	625.1	597.6	631.9	567.2	518.1
35°	418.0	426.9	400.4	397.4	335.6
37.5°	261.0	300.3	264.9	282.6	215.9
40°	168.8	217.8	187.4	207.1	159.0
42.5°	138.4	167.8	154.1	163.9	141.3
45°	109.9	136.4	136.4	136.4	110.9
47.5°	60.8	91.3	116.8	93.2	64.8
50°	34.3	46.1	90.3	48.1	36.3
52.5°	23.6	26.5	61.8	27.5	24.5
55°	17.7	18.6	33.4	19.6	18.6
57.5°	13.7	14.7	17.7	14.7	13.7
60°	10.8	10.8	12.8	11.8	10.8
62.5°	7.9	7.9	8.8	7.9	7.9
65°	5.9	5.9	5.9	5.9	5.9
67.5°	2.9	3.9	3.9	3.9	3.9
70°	2.9	2.0	2.0	2.0	2.9
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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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