

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: P793257

Luminaire Tested: LER6D50D010-EC6DR3040509027-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793257
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-EC6DR3040509027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5731.8 lumens
Efficiency: N/A
Efficacy: 122.0 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

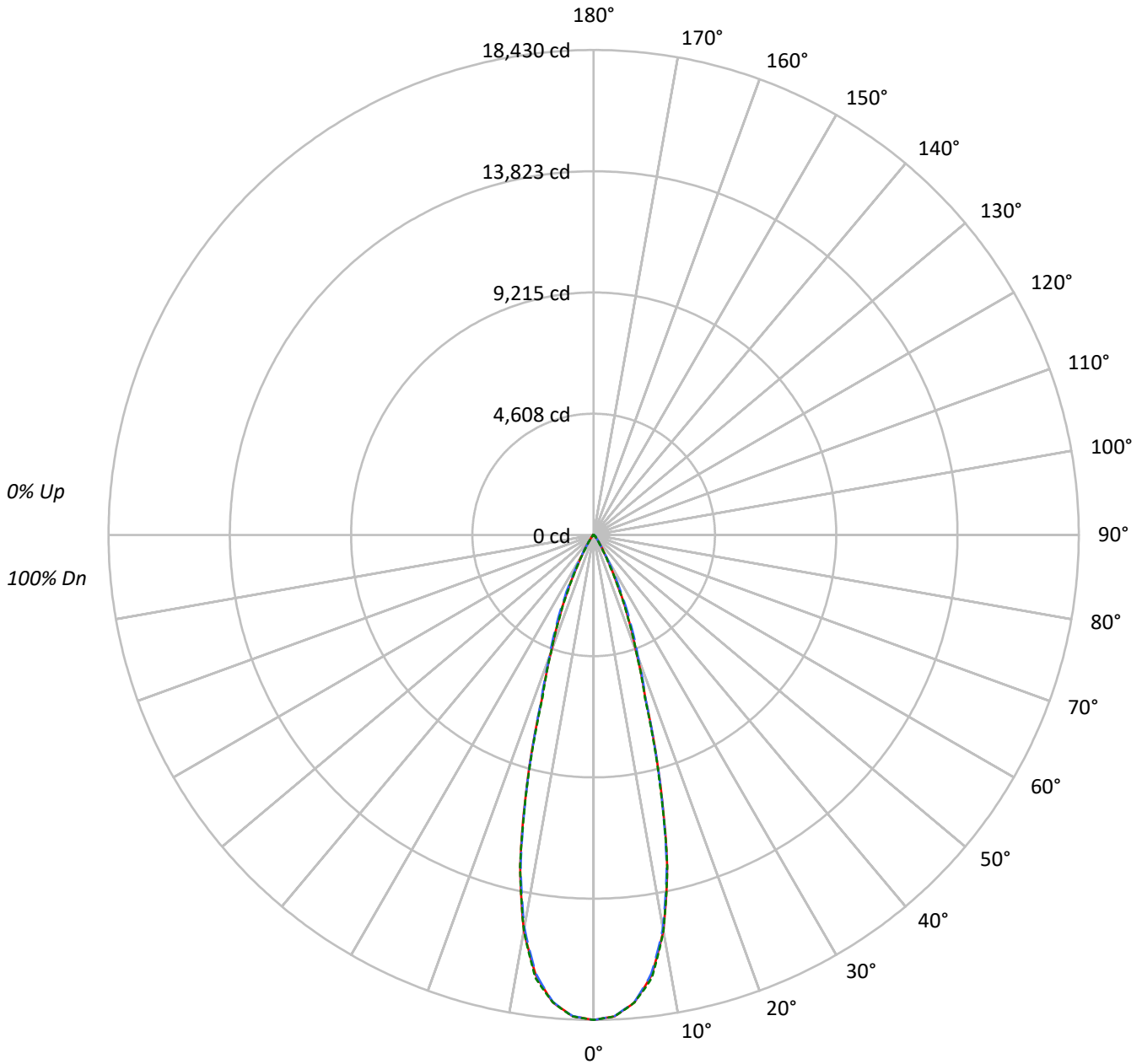
Input Watts (W): 47
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1410733	1410733	1410733
5°	1370236	1368637	1370305
10°	1186833	1178462	1186553
15°	774352	770192	766317
20°	385050	399492	384528
25°	193962	218725	189984
30°	77655	84620	67658
35°	36022	34499	28920
40°	15548	17266	14648
45°	10966	13618	11074
50°	3775	9907	3989
55°	2175	4110	2295
60°	1531	1806	1531
65°	978	978	978
70°	604	403	604
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 13618 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1620.7	28.3
10°-20°	2610.1	45.5
20°-30°	1127.9	19.7
30°-40°	257.1	4.5
40°-50°	88.3	1.5
50°-60°	21.6	0.4
60°-70°	5.6	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°	5358.7	93.5
0°-40°	5615.8	98.0
0°-60°	5725.6	99.9
0°-90°	5731.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5731.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18430	18430	18430	18430	18430	
5°	17833	17816	17812	17850	17834	1622
15°	9772	9654	9719	9688	9670	2617
25°	2297	2383	2590	2323	2250	1099
35°	386	394	369	366	310	261
45°	101	126	126	126	102	72
55°	16	17	31	18	17	16
65°	5	5	5	5	5	5
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°	18430.5	18430.5	18430.5	18430.5	18430.5
2.5°	18308.4	18295.7	18302.9	18312.0	18315.6
5°	17833.3	17816.1	17812.5	17849.6	17834.2
7.5°	16875.1	16850.6	16813.5	16897.7	16976.4
10°	15269.8	15242.7	15162.1	15201.9	15266.2
12.5°	12899.9	12812.2	12810.3	12937.0	12919.8
15°	9771.8	9654.1	9719.3	9687.6	9670.4
17.5°	6571.2	6526.0	6612.8	6586.6	6473.5
20°	4727.1	4738.8	4904.4	4821.2	4720.7
22.5°	3449.4	3491.9	3688.3	3473.8	3395.1
25°	2296.6	2383.4	2589.8	2322.8	2249.5
27.5°	1412.5	1452.3	1661.4	1394.4	1354.6
30°	878.6	858.7	957.4	821.6	765.5
32.5°	576.4	551.1	582.7	523.0	477.8
35°	385.5	393.6	369.2	366.5	309.5
37.5°	240.7	276.9	244.3	260.6	199.1
40°	155.6	200.9	172.8	190.9	146.6
42.5°	127.6	154.7	142.1	151.1	130.3
45°	101.3	125.8	125.8	125.8	102.3
47.5°	56.1	84.2	107.7	86.0	59.7
50°	31.7	42.5	83.2	44.3	33.5
52.5°	21.7	24.4	57.0	25.3	22.6
55°	16.3	17.2	30.8	18.1	17.2
57.5°	12.7	13.6	16.3	13.6	12.7
60°	10.0	10.0	11.8	10.9	10.0
62.5°	7.2	7.2	8.1	7.2	7.2
65°	5.4	5.4	5.4	5.4	5.4
67.5°	2.7	3.6	3.6	3.6	3.6
70°	2.7	1.8	1.8	1.8	2.7
72.5°	1.8	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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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