

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



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: P793281

Luminaire Tested: LER6D50D010-EC6DR3040509040-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793281
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-EC6DR3040509040-6LBDDP1LI
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: 6246.2 lumens
Efficiency: N/A
Efficacy: 132.9 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

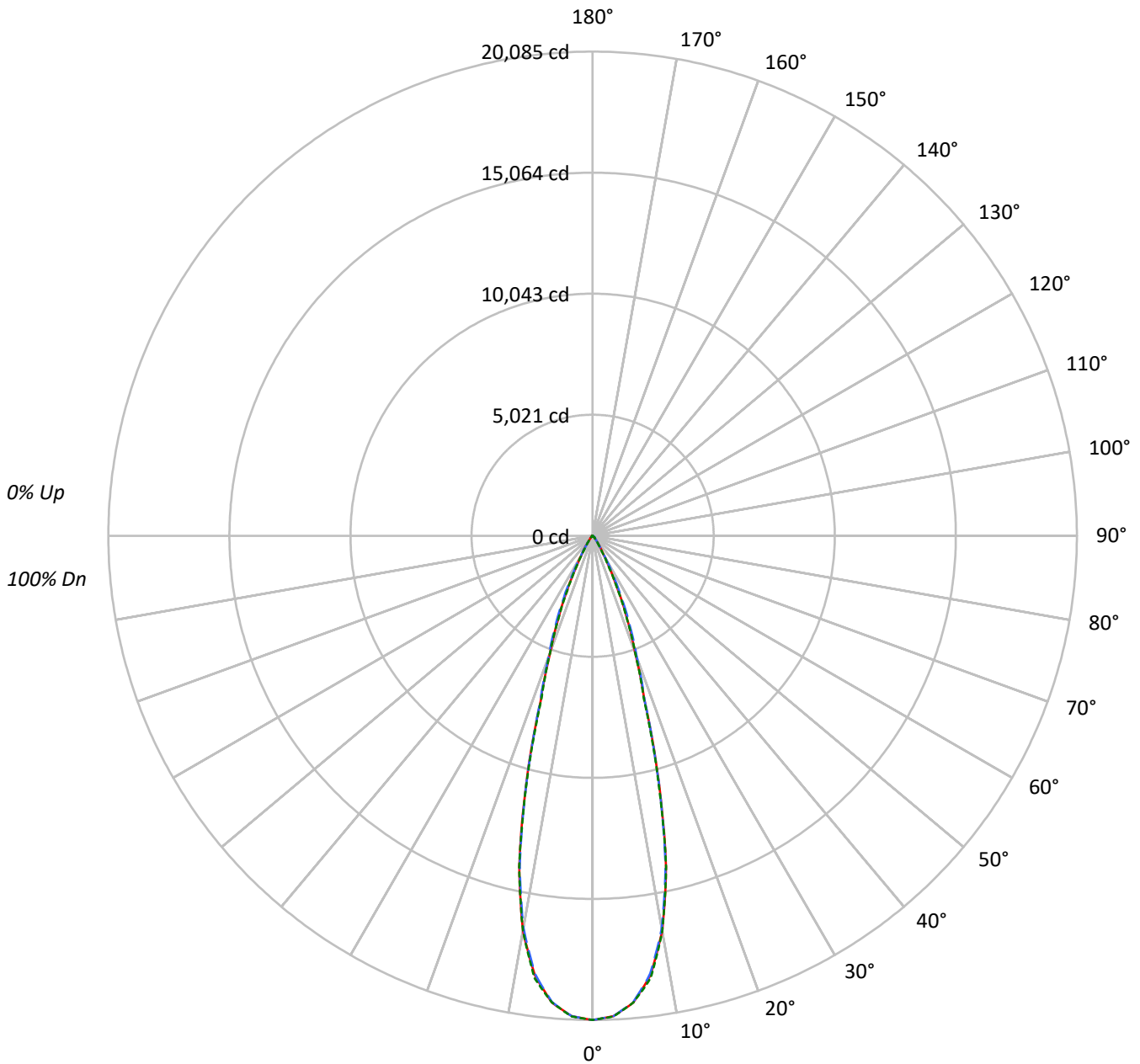
Input Watts (W): 47
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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					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°	1537343	1537343	1537343
5°	1493203	1491467	1493280
10°	1293346	1284221	1293035
15°	843841	839308	835092
20°	419603	435349	419041
25°	211369	238353	207036
30°	84628	92212	73731
35°	39255	37592	31509
40°	16946	18815	15957
45°	11951	14841	12059
50°	4108	10801	4346
55°	2362	4471	2496
60°	1653	1960	1653
65°	1069	1069	1069
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14841 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1766.1	28.3
10°-20°	2844.4	45.5
20°-30°	1229.1	19.7
30°-40°	280.1	4.5
40°-50°	96.2	1.5
50°-60°	23.5	0.4
60°-70°	6.1	0.1
70°-80°	0.7	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°	5839.6	93.5
0°-40°	6119.8	98.0
0°-60°	6239.4	99.9
0°-90°	6246.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6246.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20085	20085	20085	20085	20085	
5°	19434	19415	19411	19452	19435	1768
15°	10649	10520	10592	10557	10538	2851
25°	2503	2597	2822	2531	2451	1198
35°	420	429	402	399	337	285
45°	110	137	137	137	111	78
55°	18	19	34	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°	20084.6	20084.6	20084.6	20084.6	20084.6
2.5°	19951.4	19937.6	19945.5	19955.4	19959.3
5°	19433.7	19415.0	19411.1	19451.5	19434.7
7.5°	18389.5	18362.9	18322.4	18414.1	18499.9
10°	16640.2	16610.6	16522.8	16566.2	16636.2
12.5°	14057.6	13962.0	13960.0	14098.0	14079.3
15°	10648.7	10520.5	10591.5	10557.0	10538.3
17.5°	7160.9	7111.6	7206.3	7177.7	7054.4
20°	5151.3	5164.1	5344.6	5253.9	5144.4
22.5°	3759.0	3805.3	4019.3	3785.6	3699.8
25°	2502.7	2597.3	2822.2	2531.3	2451.4
27.5°	1539.3	1582.7	1810.5	1519.6	1476.2
30°	957.5	935.8	1043.3	895.4	834.2
32.5°	628.1	600.5	635.0	570.0	520.7
35°	420.1	428.9	402.3	399.4	337.2
37.5°	262.3	301.7	266.2	284.0	216.9
40°	169.6	218.9	188.3	208.1	159.7
42.5°	139.0	168.6	154.8	164.7	142.0
45°	110.4	137.1	137.1	137.1	111.4
47.5°	61.1	91.7	117.3	93.7	65.1
50°	34.5	46.3	90.7	48.3	36.5
52.5°	23.7	26.6	62.1	27.6	24.7
55°	17.7	18.7	33.5	19.7	18.7
57.5°	13.8	14.8	17.7	14.8	13.8
60°	10.8	10.8	12.8	11.8	10.8
62.5°	7.9	7.9	8.9	7.9	7.9
65°	5.9	5.9	5.9	5.9	5.9
67.5°	3.0	3.9	3.9	3.9	3.9
70°	3.0	2.0	2.0	2.0	3.0
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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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