

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: P793248

Luminaire Tested: LER6D50D010-EC6DR3040509024-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793248
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-EC6DR3040509024-6LB DP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4819.0 lumens
Efficiency: N/A
Efficacy: 102.5 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): 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

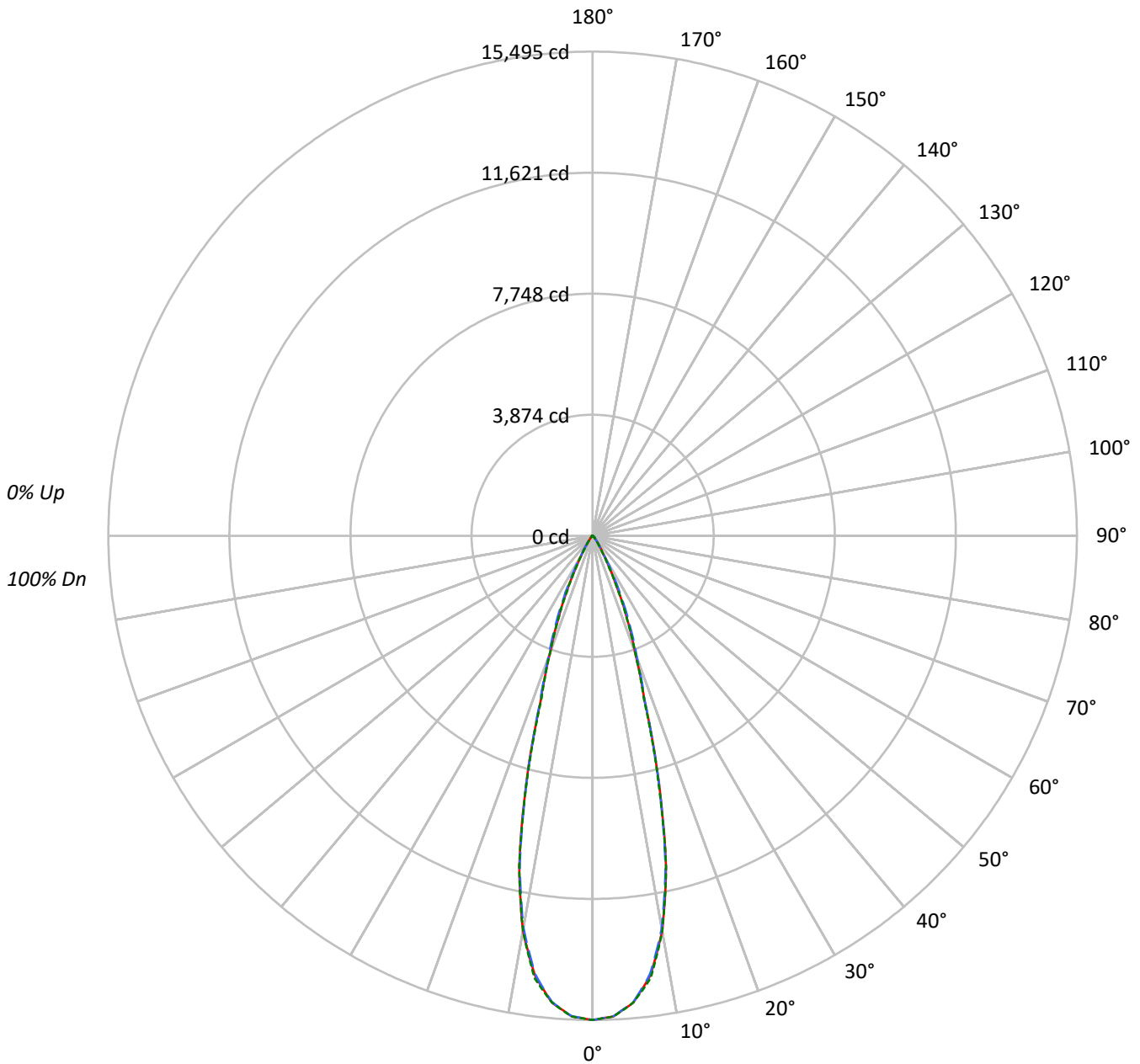


Downlight

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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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1186071	1186071	1186071
5°	1152022	1150677	1152083
10°	997823	990789	997590
15°	651033	647539	644282
20°	323730	335875	323290
25°	163068	183887	159732
30°	65290	71141	56884
35°	30285	29004	24314
40°	13080	14518	12310
45°	9223	11442	9309
50°	3168	8336	3346
55°	1828	3456	1935
60°	1286	1516	1286
65°	833	833	833
70°	515	336	515
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 11442 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1362.6	28.3
10°-20°	2194.5	45.5
20°-30°	948.3	19.7
30°-40°	216.1	4.5
40°-50°	74.2	1.5
50°-60°	18.1	0.4
60°-70°	4.7	0.1
70°-80°	0.5	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°	4505.3	93.5
0°-40°	4721.5	98.0
0°-60°	4813.8	99.9
0°-90°	4819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4819.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15495	15495	15495	15495	15495	
5°	14993	14979	14976	15007	14994	1364
15°	8216	8117	8172	8145	8130	2200
25°	1931	2004	2177	1953	1891	924
35°	324	331	310	308	260	220
45°	85	106	106	106	86	60
55°	14	14	26	15	14	13
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°	15495.4	15495.4	15495.4	15495.4	15495.4
2.5°	15392.7	15382.1	15388.1	15395.7	15398.8
5°	14993.3	14978.8	14975.8	15007.0	14994.1
7.5°	14187.6	14167.1	14135.9	14206.7	14272.8
10°	12838.0	12815.2	12747.5	12781.0	12835.0
12.5°	10845.6	10771.8	10770.3	10876.8	10862.3
15°	8215.6	8116.7	8171.5	8144.8	8130.4
17.5°	5524.7	5486.7	5559.7	5537.7	5442.6
20°	3974.3	3984.2	4123.4	4053.4	3968.9
22.5°	2900.1	2935.8	3100.9	2920.6	2854.4
25°	1930.8	2003.9	2177.3	1952.9	1891.3
27.5°	1187.6	1221.0	1396.8	1172.3	1138.9
30°	738.7	722.0	804.9	690.8	643.6
32.5°	484.6	463.3	489.9	439.7	401.7
35°	324.1	330.9	310.4	308.1	260.2
37.5°	202.4	232.8	205.4	219.1	167.4
40°	130.9	168.9	145.3	160.5	123.2
42.5°	107.3	130.1	119.4	127.0	109.6
45°	85.2	105.7	105.7	105.7	86.0
47.5°	47.2	70.8	90.5	72.3	50.2
50°	26.6	35.8	70.0	37.3	28.1
52.5°	18.3	20.5	47.9	21.3	19.0
55°	13.7	14.5	25.9	15.2	14.5
57.5°	10.7	11.4	13.7	11.4	10.7
60°	8.4	8.4	9.9	9.1	8.4
62.5°	6.1	6.1	6.8	6.1	6.1
65°	4.6	4.6	4.6	4.6	4.6
67.5°	2.3	3.0	3.0	3.0	3.0
70°	2.3	1.5	1.5	1.5	2.3
72.5°	1.5	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	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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(END OF REPORT)