

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: P791337

Luminaire Tested: LER6D30D010-EC6DR3020359027-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791337
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: LER6D30D010-EC6DR3020359027-6LBDDP1LI
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: 5523.7 lumens
Efficiency: N/A
Efficacy: 190.5 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): 29
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

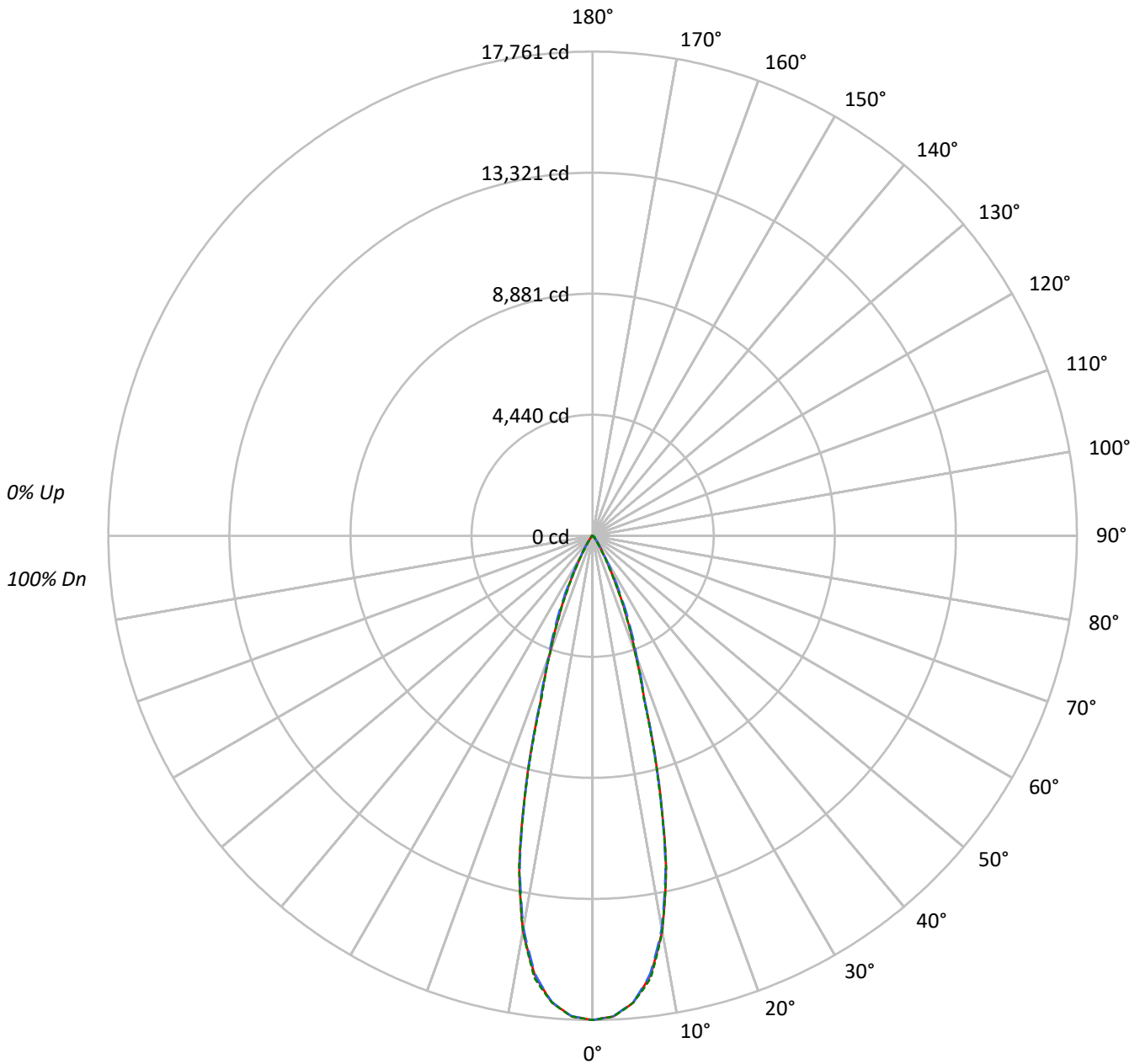


Downlight

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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°	1359518	1359518	1359518
5°	1320484	1318948	1320553
10°	1143743	1135675	1143471
15°	746237	742227	738494
20°	371064	384993	370567
25°	186919	210778	183084
30°	74835	81544	65201
35°	34714	33247	27864
40°	14988	16647	14119
45°	10576	13120	10662
50°	3632	9550	3846
55°	2095	3950	2215
60°	1470	1730	1470
65°	942	942	942
70°	582	380	582
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13120 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1561.8	28.3
10°-20°	2515.4	45.5
20°-30°	1086.9	19.7
30°-40°	247.7	4.5
40°-50°	85.1	1.5
50°-60°	20.8	0.4
60°-70°	5.4	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°	5164.2	93.5
0°-40°	5411.9	98.0
0°-60°	5517.7	99.9
0°-90°	5523.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5523.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17761	17761	17761	17761	17761	
5°	17186	17169	17166	17202	17187	1563
15°	9417	9304	9366	9336	9319	2522
25°	2213	2297	2496	2238	2168	1059
35°	372	379	356	353	298	252
45°	98	121	121	121	98	69
55°	16	17	30	17	17	15
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°	17761.4	17761.4	17761.4	17761.4	17761.4
2.5°	17643.6	17631.4	17638.4	17647.1	17650.6
5°	17185.8	17169.3	17165.8	17201.5	17186.7
7.5°	16262.3	16238.8	16203.1	16284.1	16360.0
10°	14715.4	14689.2	14611.6	14650.0	14711.9
12.5°	12431.6	12347.0	12345.2	12467.3	12450.7
15°	9417.0	9303.6	9366.4	9335.9	9319.3
17.5°	6332.6	6289.0	6372.7	6347.5	6238.4
20°	4555.4	4566.8	4726.4	4646.1	4549.3
22.5°	3324.1	3365.1	3554.4	3347.7	3271.8
25°	2213.2	2296.9	2495.7	2238.5	2167.8
27.5°	1361.2	1399.6	1601.0	1343.8	1305.4
30°	846.7	827.5	922.6	791.8	737.7
32.5°	555.5	531.1	561.6	504.0	460.4
35°	371.5	379.3	355.8	353.2	298.2
37.5°	232.0	266.8	235.4	251.1	191.8
40°	150.0	193.6	166.6	184.0	141.3
42.5°	123.0	149.1	136.9	145.6	125.6
45°	97.7	121.2	121.2	121.2	98.5
47.5°	54.1	81.1	103.8	82.8	57.6
50°	30.5	41.0	80.2	42.7	32.3
52.5°	20.9	23.5	54.9	24.4	21.8
55°	15.7	16.6	29.6	17.4	16.6
57.5°	12.2	13.1	15.7	13.1	12.2
60°	9.6	9.6	11.3	10.5	9.6
62.5°	7.0	7.0	7.8	7.0	7.0
65°	5.2	5.2	5.2	5.2	5.2
67.5°	2.6	3.5	3.5	3.5	3.5
70°	2.6	1.7	1.7	1.7	2.6
72.5°	1.7	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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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(END OF REPORT)