

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: P791332

Luminaire Tested: LER6D30D010-EC6DR3020359024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791332
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-EC6DR3020359024-6LBS1H
Description: 6 INCH ROUND SHALLOW 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: 4988.5 lumens
Efficiency: N/A
Efficacy: 172.0 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): 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

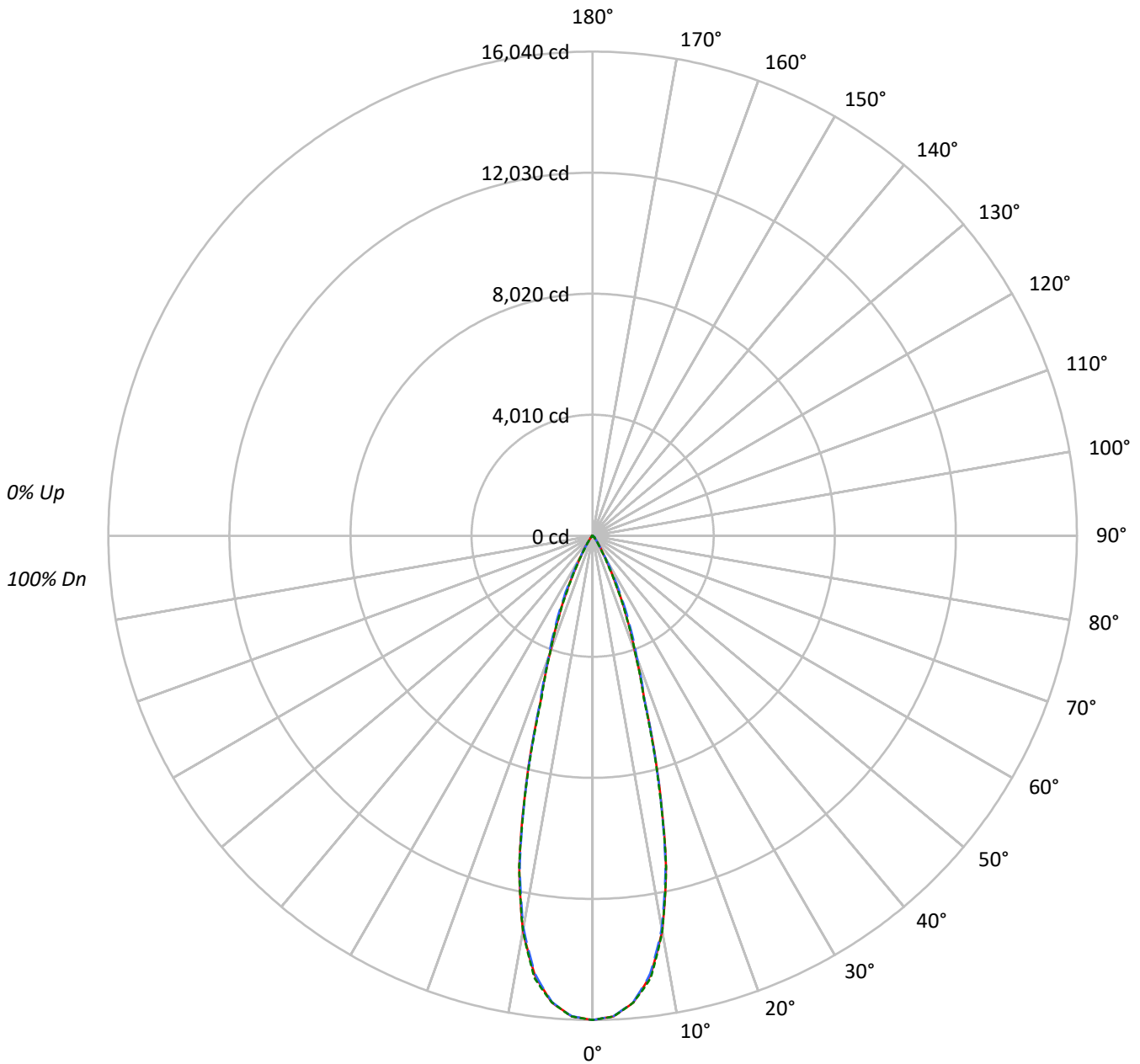


Downlight

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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	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°	1227771	1227771	1227771
5°	1192522	1191131	1192583
10°	1032908	1025625	1032659
15°	673919	670297	666930
20°	335109	347686	334661
25°	168803	190356	165349
30°	67588	73642	58882
35°	31350	30023	25164
40°	13539	15028	12750
45°	9548	11853	9634
50°	3287	8633	3465
55°	1895	3576	2002
60°	1332	1561	1332
65°	851	851	851
70°	537	358	537
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 11853 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1410.5	28.3
10°-20°	2271.6	45.5
20°-30°	981.6	19.7
30°-40°	223.7	4.5
40°-50°	76.8	1.5
50°-60°	18.8	0.4
60°-70°	4.9	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°	4663.7	93.5
0°-40°	4887.5	98.0
0°-60°	4983.1	99.9
0°-90°	4988.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4988.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16040	16040	16040	16040	16040	
5°	15520	15506	15502	15535	15521	1412
15°	8504	8402	8459	8431	8416	2277
25°	1999	2074	2254	2022	1958	957
35°	336	343	321	319	269	228
45°	88	110	110	110	89	63
55°	14	15	27	16	15	14
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°	16040.2	16040.2	16040.2	16040.2	16040.2
2.5°	15933.9	15922.9	15929.2	15937.0	15940.2
5°	15520.4	15505.5	15502.3	15534.6	15521.2
7.5°	14686.4	14665.2	14632.9	14706.1	14774.6
10°	13289.4	13265.8	13195.7	13230.3	13286.2
12.5°	11226.9	11150.5	11148.9	11259.2	11244.2
15°	8504.4	8402.0	8458.7	8431.2	8416.2
17.5°	5719.0	5679.6	5755.2	5732.4	5633.9
20°	4114.0	4124.2	4268.4	4195.9	4108.5
22.5°	3002.0	3039.0	3209.9	3023.3	2954.8
25°	1998.7	2074.3	2253.9	2021.6	1957.8
27.5°	1229.3	1264.0	1445.9	1213.6	1178.9
30°	764.7	747.4	833.2	715.1	666.2
32.5°	501.6	479.6	507.2	455.2	415.8
35°	335.5	342.6	321.3	318.9	269.3
37.5°	209.5	241.0	212.6	226.8	173.3
40°	135.5	174.8	150.4	166.2	127.6
42.5°	111.0	134.7	123.6	131.5	113.4
45°	88.2	109.5	109.5	109.5	89.0
47.5°	48.8	73.2	93.7	74.8	52.0
50°	27.6	37.0	72.5	38.6	29.1
52.5°	18.9	21.3	49.6	22.1	19.7
55°	14.2	15.0	26.8	15.8	15.0
57.5°	11.0	11.8	14.2	11.8	11.0
60°	8.7	8.7	10.2	9.5	8.7
62.5°	6.3	6.3	7.1	6.3	6.3
65°	4.7	4.7	4.7	4.7	4.7
67.5°	2.4	3.2	3.2	3.2	3.2
70°	2.4	1.6	1.6	1.6	2.4
72.5°	1.6	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

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Scaled Data Report





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

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(END OF REPORT)