

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: P791353

Luminaire Tested: LER6D30D010-EC6DR3020359035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791353
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-EC6DR3020359035-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6021.1 lumens
Efficiency: N/A
Efficacy: 207.6 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

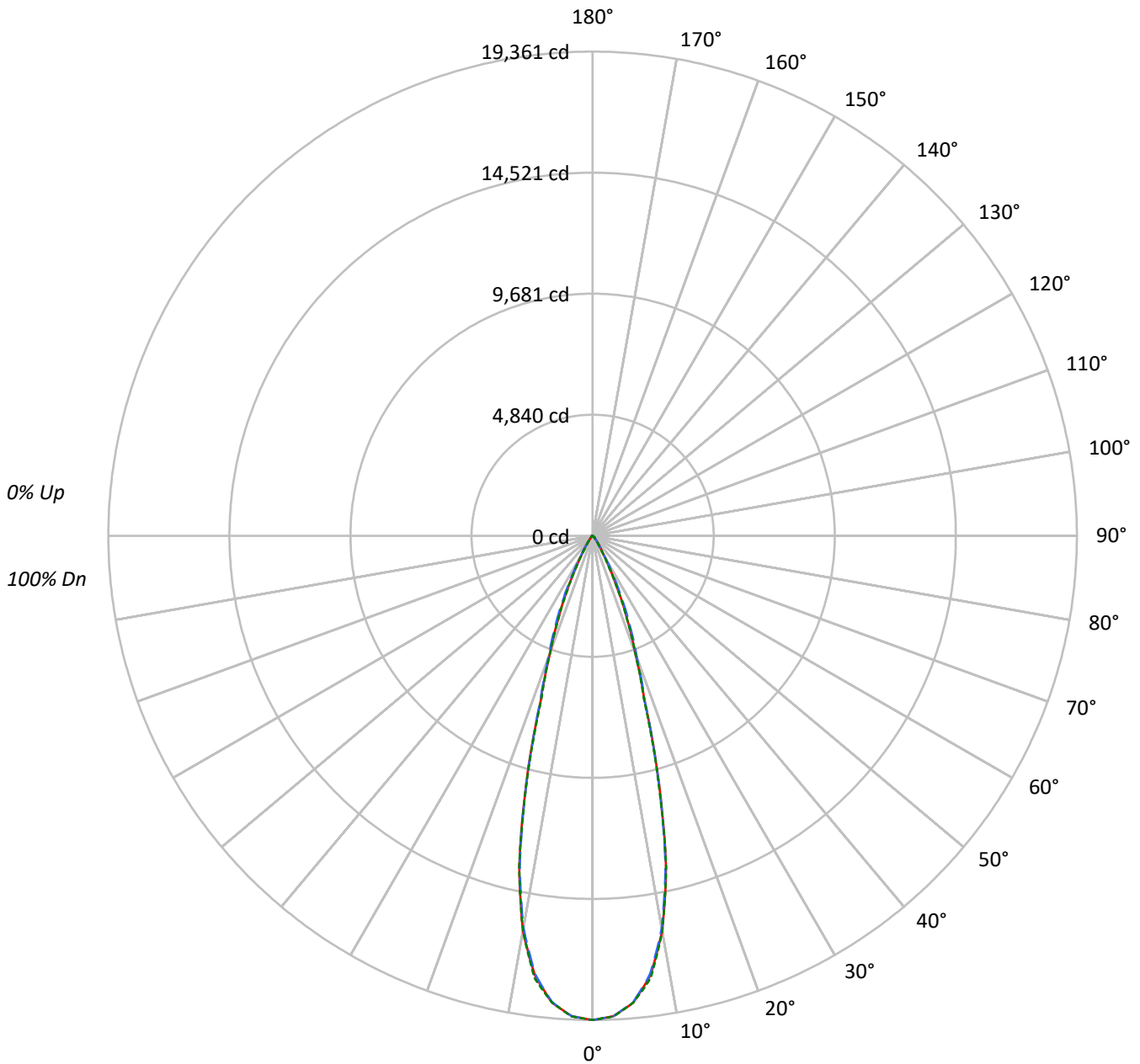


Downlight

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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																			
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°	1481934	1481934	1481934
5°	1439388	1437713	1439465
10°	1246727	1237937	1246432
15°	813427	809061	804996
20°	404477	419660	403939
25°	203751	229763	199579
30°	81579	88888	71079
35°	37835	36237	30378
40°	16337	18146	15388
45°	11528	14300	11626
50°	3965	10420	4192
55°	2282	4310	2415
60°	1607	1898	1607
65°	1032	1032	1032
70°	649	425	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14300 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1702.5	28.3
10°-20°	2741.9	45.5
20°-30°	1184.8	19.7
30°-40°	270.1	4.5
40°-50°	92.7	1.5
50°-60°	22.7	0.4
60°-70°	5.9	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°	5629.2	93.5
0°-40°	5899.2	98.0
0°-60°	6014.6	99.9
0°-90°	6021.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6021.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19361	19361	19361	19361	19361	
5°	18733	18715	18712	18750	18734	1704
15°	10265	10141	10210	10176	10158	2749
25°	2412	2504	2720	2440	2363	1155
35°	405	414	388	385	325	275
45°	106	132	132	132	107	76
55°	17	18	32	19	18	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°	19360.7	19360.7	19360.7	19360.7	19360.7
2.5°	19232.4	19219.1	19226.7	19236.2	19240.0
5°	18733.3	18715.3	18711.5	18750.5	18734.3
7.5°	17726.7	17701.1	17662.1	17750.5	17833.2
10°	16040.4	16011.9	15927.3	15969.2	16036.6
12.5°	13551.0	13458.8	13456.9	13589.9	13571.9
15°	10264.9	10141.4	10209.8	10176.5	10158.5
17.5°	6902.9	6855.3	6946.6	6919.0	6800.2
20°	4965.6	4978.0	5152.0	5064.5	4959.0
22.5°	3623.5	3668.2	3874.4	3649.1	3566.4
25°	2412.5	2503.7	2720.5	2440.0	2363.1
27.5°	1483.8	1525.6	1745.2	1464.8	1423.0
30°	923.0	902.1	1005.7	863.1	804.2
32.5°	605.5	578.9	612.2	549.4	501.9
35°	404.9	413.5	387.8	385.0	325.1
37.5°	252.8	290.9	256.6	273.8	209.1
40°	163.5	211.0	181.6	200.6	154.0
42.5°	134.0	162.5	149.2	158.7	136.9
45°	106.5	132.1	132.1	132.1	107.4
47.5°	58.9	88.4	113.1	90.3	62.7
50°	33.3	44.7	87.5	46.6	35.2
52.5°	22.8	25.7	59.9	26.6	23.8
55°	17.1	18.1	32.3	19.0	18.1
57.5°	13.3	14.3	17.1	14.3	13.3
60°	10.5	10.5	12.4	11.4	10.5
62.5°	7.6	7.6	8.6	7.6	7.6
65°	5.7	5.7	5.7	5.7	5.7
67.5°	2.9	3.8	3.8	3.8	3.8
70°	2.9	1.9	1.9	1.9	2.9
72.5°	1.9	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



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Scaled Data Report





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

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(END OF REPORT)