

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: P790221

Luminaire Tested: LER6D20D010-EC6DR3020359050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790221
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: LER6D20D010-EC6DR3020359050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3873.0 lumens
Efficiency: N/A
Efficacy: 167.7 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): 23.1
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

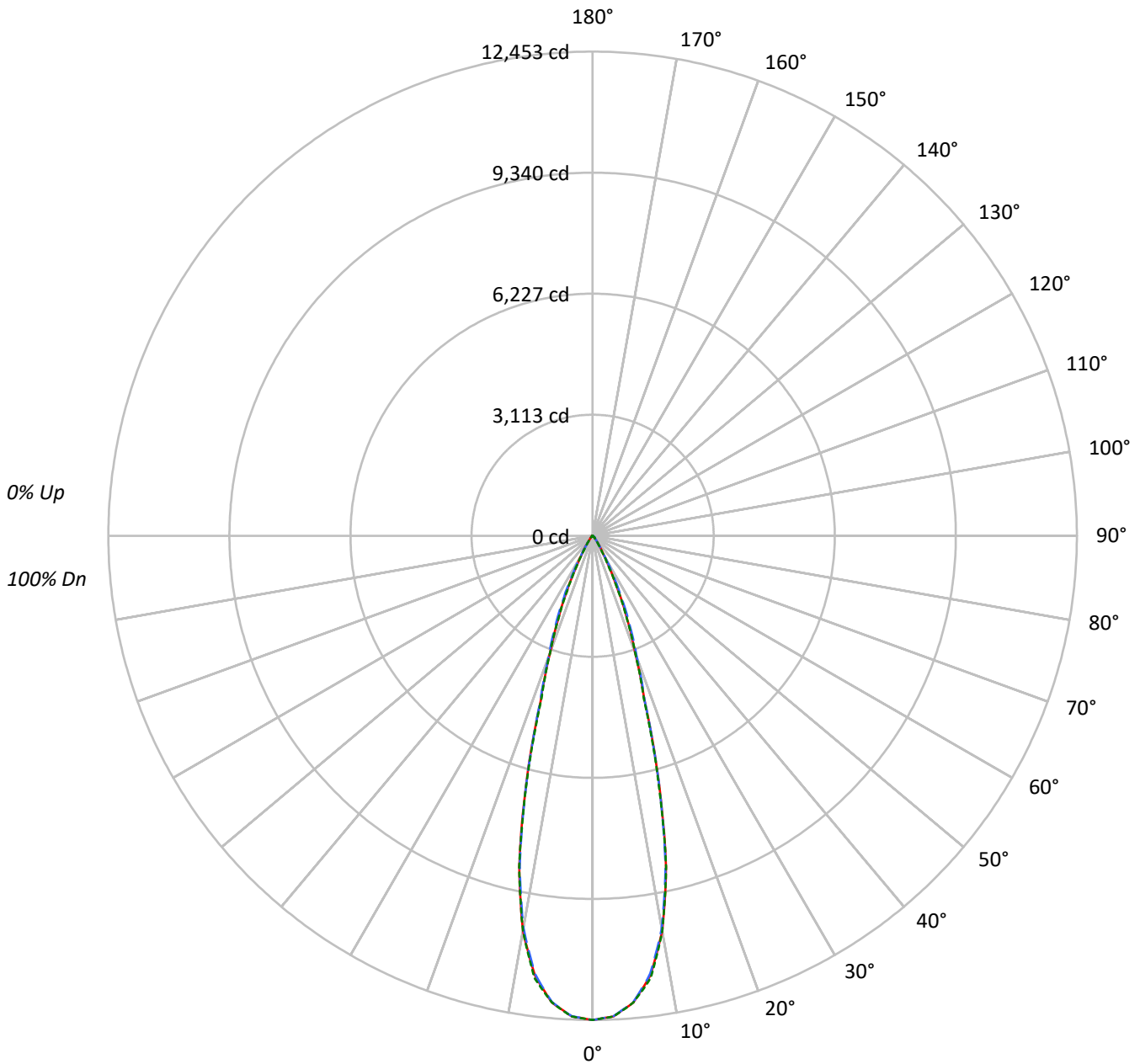


Downlight

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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°	953226	953226	953226
5°	925863	924780	925910
10°	801935	796284	801748
15°	523221	520416	517801
20°	260178	269936	259828
25°	131059	147790	128374
30°	52474	57176	45721
35°	24342	23314	19539
40°	10512	11671	9902
45°	7415	9201	7480
50°	2548	6704	2691
55°	1468	2776	1548
60°	1026	1209	1026
65°	670	670	670
70°	403	269	403
75°	0	177	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 9201 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1095.1	28.3
10°-20°	1763.7	45.5
20°-30°	762.1	19.7
30°-40°	173.7	4.5
40°-50°	59.7	1.5
50°-60°	14.6	0.4
60°-70°	3.8	0.1
70°-80°	0.4	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°	3620.9	93.5
0°-40°	3794.6	98.0
0°-60°	3868.8	99.9
0°-90°	3873.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3873.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12453	12453	12453	12453	12453	
5°	12050	12038	12036	12061	12050	1096
15°	6603	6523	6567	6546	6534	1768
25°	1552	1610	1750	1570	1520	743
35°	260	266	250	248	209	177
45°	68	85	85	85	69	49
55°	11	12	21	12	12	11
65°	4	4	4	4	4	4
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°	12453.4	12453.4	12453.4	12453.4	12453.4
2.5°	12370.9	12362.3	12367.2	12373.3	12375.8
5°	12049.9	12038.3	12035.8	12060.9	12050.5
7.5°	11402.4	11385.9	11360.8	11417.7	11470.9
10°	10317.7	10299.4	10245.0	10271.9	10315.3
12.5°	8716.4	8657.1	8655.9	8741.5	8729.9
15°	6602.7	6523.3	6567.3	6545.9	6534.3
17.5°	4440.1	4409.6	4468.3	4450.5	4374.1
20°	3194.1	3202.0	3313.9	3257.7	3189.8
22.5°	2330.7	2359.5	2492.2	2347.2	2294.1
25°	1551.8	1610.5	1749.9	1569.5	1520.0
27.5°	954.4	981.3	1122.6	942.2	915.3
30°	593.7	580.2	646.9	555.2	517.3
32.5°	389.5	372.4	393.8	353.4	322.8
35°	260.5	266.0	249.5	247.6	209.1
37.5°	162.6	187.1	165.1	176.1	134.5
40°	105.2	135.7	116.8	129.0	99.1
42.5°	86.2	104.6	96.0	102.1	88.0
45°	68.5	85.0	85.0	85.0	69.1
47.5°	37.9	56.9	72.8	58.1	40.4
50°	21.4	28.7	56.3	30.0	22.6
52.5°	14.7	16.5	38.5	17.1	15.3
55°	11.0	11.6	20.8	12.2	11.6
57.5°	8.6	9.2	11.0	9.2	8.6
60°	6.7	6.7	7.9	7.3	6.7
62.5°	4.9	4.9	5.5	4.9	4.9
65°	3.7	3.7	3.7	3.7	3.7
67.5°	1.8	2.4	2.4	2.4	2.4
70°	1.8	1.2	1.2	1.2	1.8
72.5°	1.2	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.6	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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