

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: P790179

Luminaire Tested: LER6D20D010-EC6DR3020359024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790179
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-EC6DR3020359024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2814.3 lumens
Efficiency: N/A
Efficacy: 121.8 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

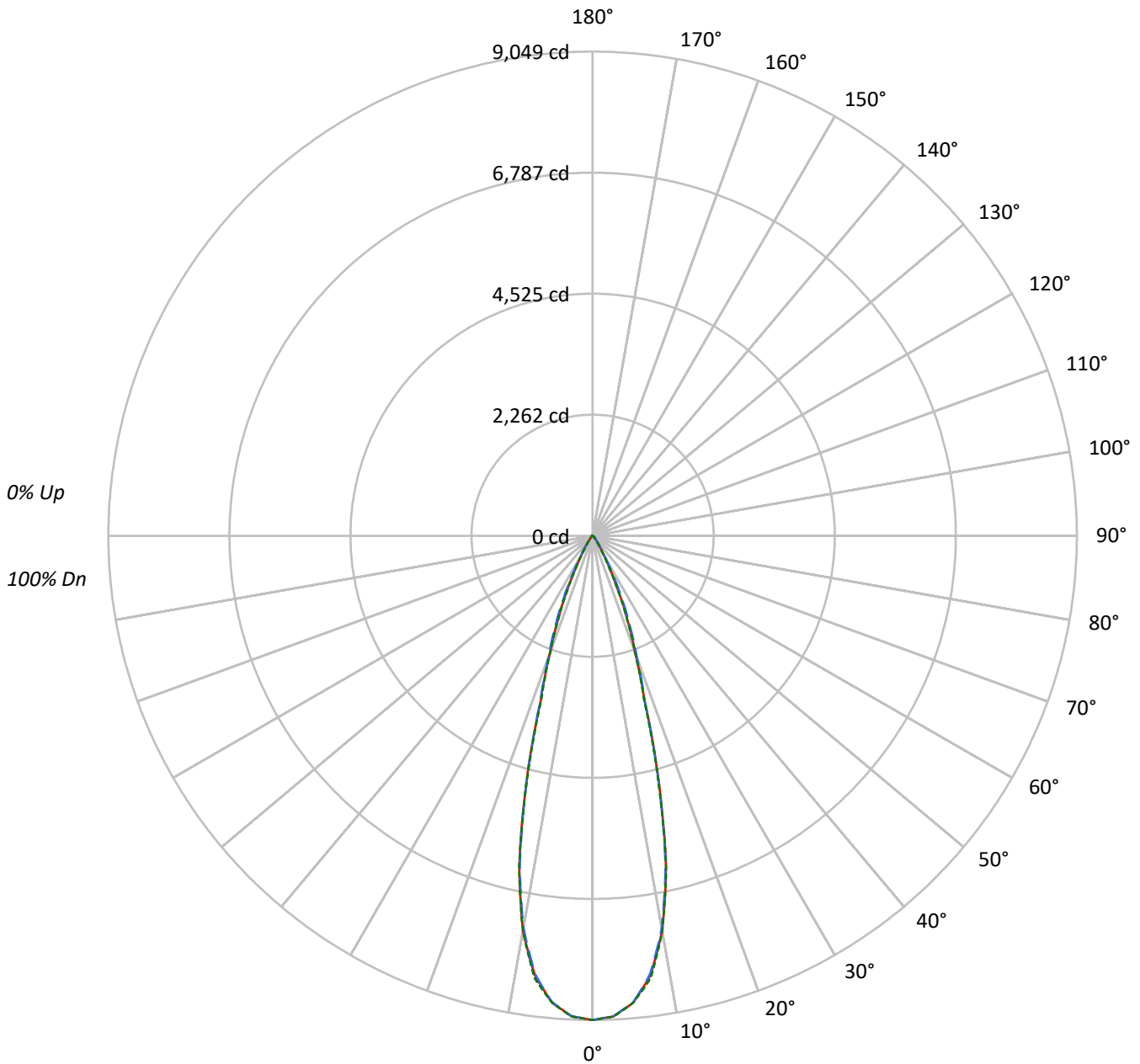


Downlight

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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°	692664	692664	692664
5°	672782	671998	672813
10°	582729	578618	582590
15°	380203	378158	376256
20°	189059	196154	188806
25°	95233	107395	93282
30°	38129	41550	33224
35°	17689	16941	14194
40°	7634	8483	7194
45°	5391	6690	5434
50°	1858	4870	1953
55°	1068	2015	1121
60°	750	888	750
65°	489	489	489
70°	291	201	291
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 6690 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	795.8	28.3
10°-20°	1281.6	45.5
20°-30°	553.8	19.7
30°-40°	126.2	4.5
40°-50°	43.3	1.5
50°-60°	10.6	0.4
60°-70°	2.8	0.1
70°-80°	0.3	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°	2631.1	93.5
0°-40°	2757.3	98.0
0°-60°	2811.3	99.9
0°-90°	2814.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2814.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9049	9049	9049	9049	9049	
5°	8756	8748	8746	8764	8756	796
15°	4798	4740	4772	4757	4748	1285
25°	1128	1170	1272	1140	1104	540
35°	189	193	181	180	152	128
45°	50	62	62	62	50	35
55°	8	8	15	9	8	8
65°	3	3	3	3	3	3
75°	0	0	0	0	0	0
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°	9049.3	9049.3	9049.3	9049.3	9049.3
2.5°	8989.3	8983.1	8986.7	8991.1	8992.9
5°	8756.1	8747.6	8745.9	8764.1	8756.5
7.5°	8285.6	8273.6	8255.4	8296.7	8335.3
10°	7497.4	7484.1	7444.5	7464.1	7495.6
12.5°	6333.8	6290.7	6289.8	6352.0	6343.6
15°	4797.9	4740.1	4772.1	4756.6	4748.1
17.5°	3226.4	3204.2	3246.9	3234.0	3178.5
20°	2321.0	2326.8	2408.1	2367.2	2317.9
22.5°	1693.6	1714.5	1810.9	1705.6	1667.0
25°	1127.6	1170.3	1271.6	1140.5	1104.5
27.5°	693.5	713.1	815.7	684.7	665.1
30°	431.4	421.6	470.1	403.4	375.9
32.5°	283.0	270.6	286.1	256.8	234.6
35°	189.3	193.3	181.3	179.9	151.9
37.5°	118.2	136.0	120.0	128.0	97.7
40°	76.4	98.6	84.9	93.7	72.0
42.5°	62.6	76.0	69.8	74.2	64.0
45°	49.8	61.8	61.8	61.8	50.2
47.5°	27.5	41.3	52.9	42.2	29.3
50°	15.6	20.9	40.9	21.8	16.4
52.5°	10.7	12.0	28.0	12.4	11.1
55°	8.0	8.4	15.1	8.9	8.4
57.5°	6.2	6.7	8.0	6.7	6.2
60°	4.9	4.9	5.8	5.3	4.9
62.5°	3.6	3.6	4.0	3.6	3.6
65°	2.7	2.7	2.7	2.7	2.7
67.5°	1.3	1.8	1.8	1.8	1.8
70°	1.3	0.9	0.9	0.9	1.3
72.5°	0.9	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	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)