

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: P794687

Luminaire Tested: LER6D65D010-EC6DR3055659024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794687
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: LER6D65D010-EC6DR3055659024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 5334.7 lumens
Efficiency: N/A
Efficacy: 73.3 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): 72.8
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

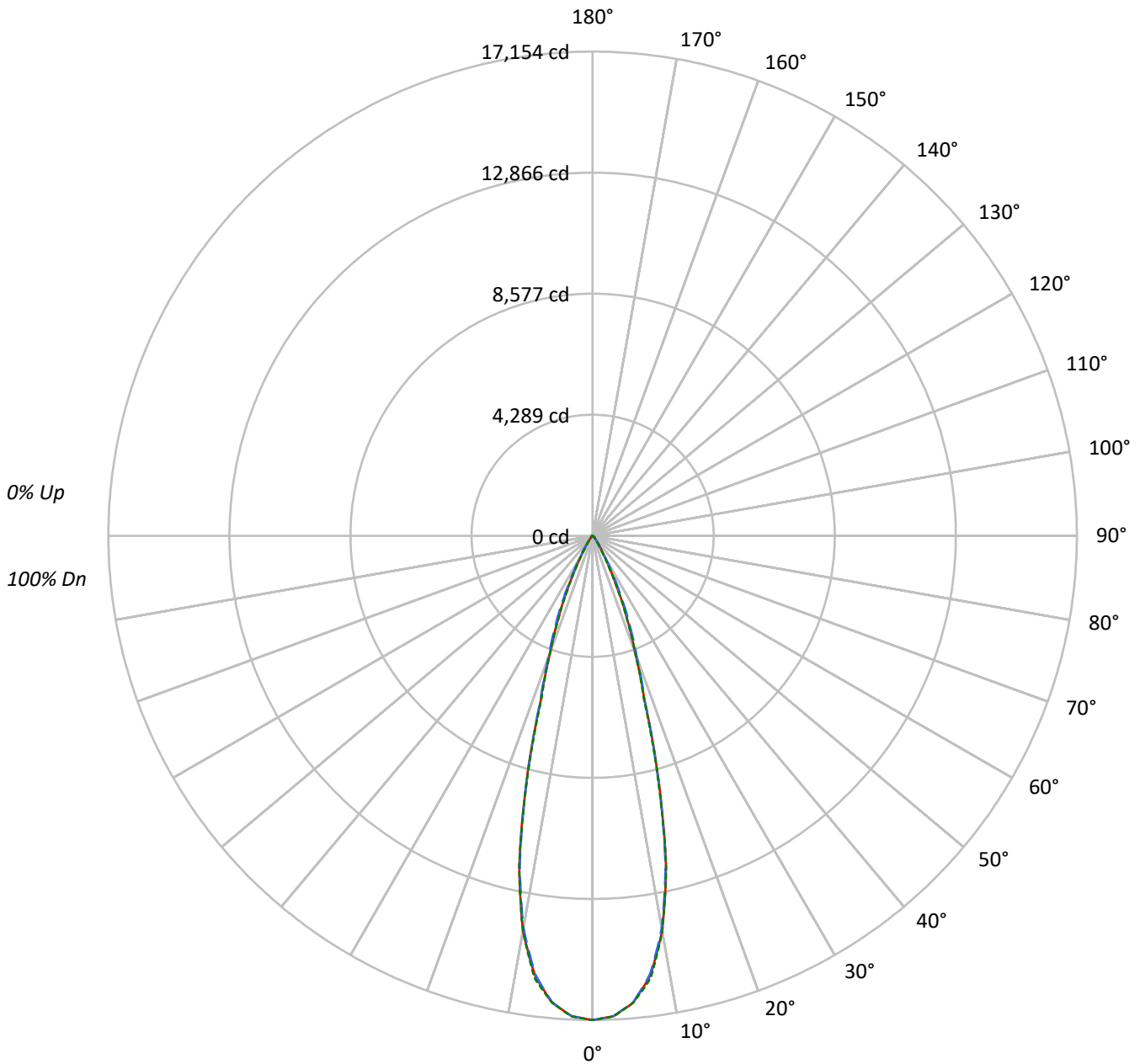


Downlight

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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°	1313002	1313002	1313002
5°	1275305	1273822	1275374
10°	1104609	1096821	1104344
15°	720704	716829	713232
20°	358373	371821	357892
25°	180525	203565	176826
30°	72281	78751	62974
35°	33527	32107	26911
40°	14478	16077	13629
45°	10208	12676	10305
50°	3513	9229	3715
55°	2028	3817	2135
60°	1424	1669	1424
65°	924	924	924
70°	559	380	559
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 12676 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1508.4	28.3
10°-20°	2429.3	45.5
20°-30°	1049.8	19.7
30°-40°	239.3	4.5
40°-50°	82.2	1.5
50°-60°	20.1	0.4
60°-70°	5.2	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°	4987.5	93.5
0°-40°	5226.8	98.0
0°-60°	5329.0	99.9
0°-90°	5334.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5334.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17154	17154	17154	17154	17154	
5°	16598	16582	16578	16613	16599	1510
15°	9095	8985	9046	9016	9000	2435
25°	2138	2218	2410	2162	2094	1023
35°	359	366	344	341	288	243
45°	94	117	117	117	95	67
55°	15	16	29	17	16	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°	17153.7	17153.7	17153.7	17153.7	17153.7
2.5°	17040.0	17028.2	17034.9	17043.4	17046.7
5°	16597.8	16581.8	16578.5	16613.0	16598.7
7.5°	15706.0	15683.2	15648.7	15727.0	15800.3
10°	14211.9	14186.7	14111.7	14148.8	14208.5
12.5°	12006.2	11924.5	11922.9	12040.8	12024.8
15°	9094.8	8985.3	9045.9	9016.5	9000.5
17.5°	6116.0	6073.9	6154.7	6130.3	6025.0
20°	4399.6	4410.5	4564.7	4487.2	4393.7
22.5°	3210.4	3250.0	3432.8	3233.2	3159.9
25°	2137.5	2218.3	2410.3	2161.9	2093.7
27.5°	1314.7	1351.7	1546.3	1297.8	1260.8
30°	817.8	799.2	891.0	764.7	712.5
32.5°	536.5	512.9	542.4	486.8	444.7
35°	358.8	366.4	343.6	341.1	288.0
37.5°	224.0	257.7	227.4	242.6	185.3
40°	144.9	187.0	160.9	177.7	136.4
42.5°	118.7	144.0	132.2	140.6	121.3
45°	94.3	117.1	117.1	117.1	95.2
47.5°	52.2	78.3	100.2	80.0	55.6
50°	29.5	39.6	77.5	41.3	31.2
52.5°	20.2	22.7	53.1	23.6	21.1
55°	15.2	16.0	28.6	16.8	16.0
57.5°	11.8	12.6	15.2	12.6	11.8
60°	9.3	9.3	10.9	10.1	9.3
62.5°	6.7	6.7	7.6	6.7	6.7
65°	5.1	5.1	5.1	5.1	5.1
67.5°	2.5	3.4	3.4	3.4	3.4
70°	2.5	1.7	1.7	1.7	2.5
72.5°	1.7	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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