

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: P794708

Luminaire Tested: LER6D65D010-EC6DR3055659030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794708
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-EC6DR3055659030-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8139.9 lumens
Efficiency: N/A
Efficacy: 111.8 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): 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

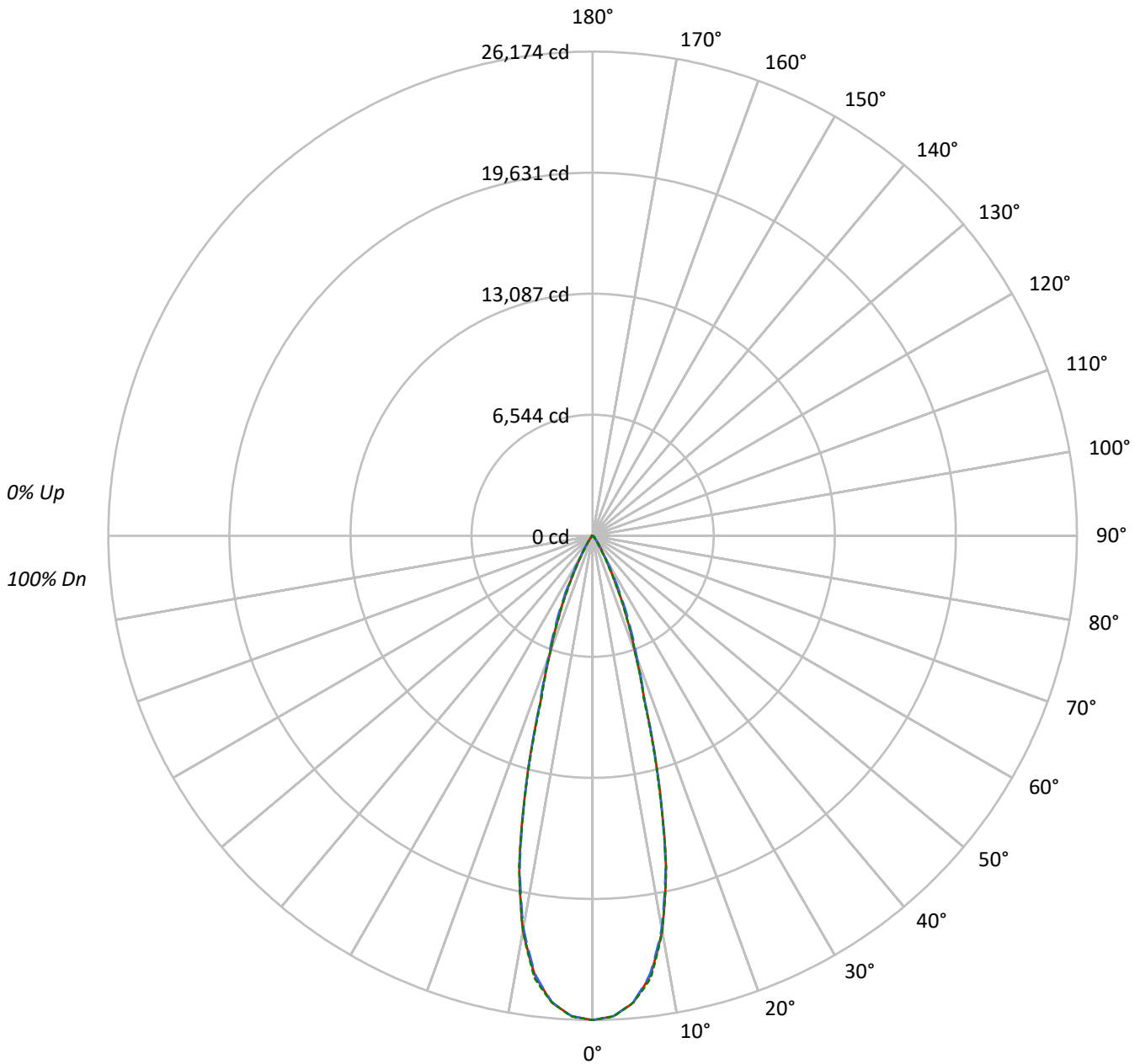


Downlight

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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°	2003416	2003416	2003416
5°	1945905	1943630	1945997
10°	1685449	1673557	1685045
15°	1099671	1093767	1088268
20°	546813	567331	546080
25°	275446	310613	269804
30°	110286	120168	96083
35°	51150	48992	41068
40°	22082	24520	20803
45°	15577	19333	15718
50°	5359	14075	5656
55°	3083	5832	3256
60°	2159	2557	2159
65°	1395	1395	1395
70°	873	582	873
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 19333 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2301.6	28.3
10°-20°	3706.7	45.5
20°-30°	1601.8	19.7
30°-40°	365.1	4.5
40°-50°	125.3	1.5
50°-60°	30.6	0.4
60°-70°	7.9	0.1
70°-80°	0.8	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°	7610.0	93.5
0°-40°	7975.1	98.0
0°-60°	8131.1	99.9
0°-90°	8139.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8139.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26174	26174	26174	26174	26174	
5°	25326	25301	25296	25349	25327	2303
15°	13877	13710	13803	13758	13733	3716
25°	3261	3385	3678	3299	3195	1561
35°	547	559	524	520	440	371
45°	144	179	179	179	145	102
55°	23	24	44	26	24	23
65°	8	8	8	8	8	8
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°	26173.6	26173.6	26173.6	26173.6	26173.6
2.5°	26000.1	25982.1	25992.4	26005.2	26010.4
5°	25325.5	25301.0	25295.9	25348.6	25326.7
7.5°	23964.6	23929.9	23877.2	23996.7	24108.5
10°	21685.0	21646.4	21532.0	21588.6	21679.8
12.5°	18319.5	18194.8	18192.2	18372.1	18347.7
15°	13877.1	13710.0	13802.6	13757.6	13733.2
17.5°	9331.9	9267.7	9391.0	9353.8	9193.1
20°	6713.0	6729.7	6964.9	6846.7	6704.0
22.5°	4898.6	4958.9	5237.8	4933.2	4821.4
25°	3261.4	3384.8	3677.8	3298.7	3194.6
27.5°	2005.9	2062.5	2359.3	1980.2	1923.7
30°	1247.8	1219.5	1359.6	1166.8	1087.1
32.5°	818.6	782.6	827.6	742.7	678.5
35°	547.4	559.0	524.3	520.4	439.5
37.5°	341.8	393.2	347.0	370.1	282.7
40°	221.0	285.3	245.4	271.1	208.2
42.5°	181.2	219.7	201.8	214.6	185.0
45°	143.9	178.6	178.6	178.6	145.2
47.5°	79.7	119.5	152.9	122.1	84.8
50°	45.0	60.4	118.2	63.0	47.5
52.5°	30.8	34.7	81.0	36.0	32.1
55°	23.1	24.4	43.7	25.7	24.4
57.5°	18.0	19.3	23.1	19.3	18.0
60°	14.1	14.1	16.7	15.4	14.1
62.5°	10.3	10.3	11.6	10.3	10.3
65°	7.7	7.7	7.7	7.7	7.7
67.5°	3.9	5.1	5.1	5.1	5.1
70°	3.9	2.6	2.6	2.6	3.9
72.5°	2.6	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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— 0°-180° - - 45°-225° - - - - 90°-270°

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