

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: P787714

Luminaire Tested: LER6D05D010-EC6DR300210IC9030-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787714
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: LER6D05D010-EC6DR300210IC9030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1004.7 lumens
Efficiency: N/A
Efficacy: 134.0 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): 7.5
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

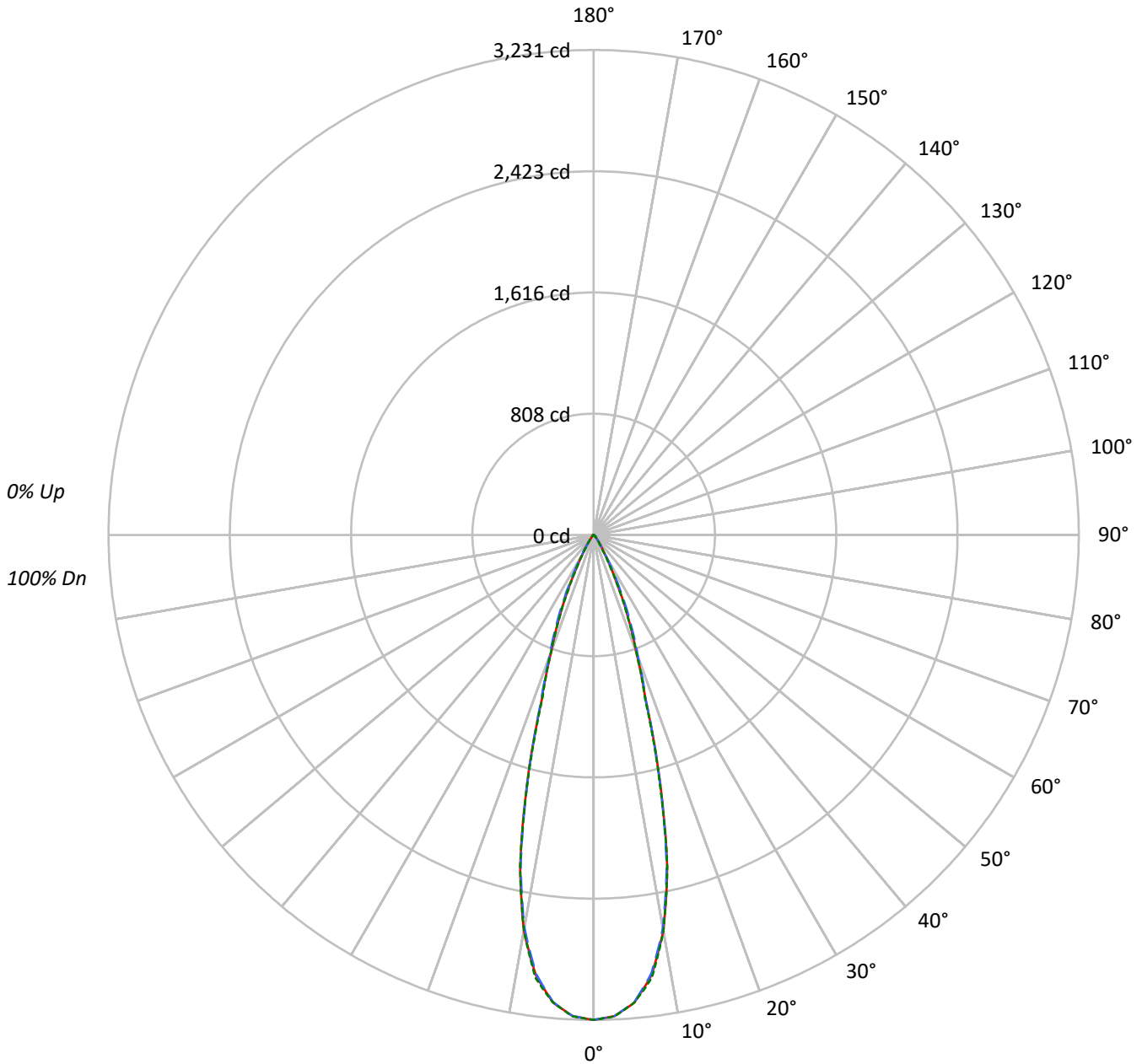


Downlight

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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°	247289	247289	247289
5°	240189	239904	240196
10°	208037	206568	207990
15°	135736	135007	134326
20°	67494	70028	67405
25°	34002	38343	33301
30°	13611	14831	11861
35°	6317	6046	5065
40°	2728	3028	2568
45°	1927	2381	1938
50°	667	1739	703
55°	387	721	400
60°	260	321	260
65°	181	181	181
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2381 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.1	28.3
10°-20°	457.5	45.5
20°-30°	197.7	19.7
30°-40°	45.1	4.5
40°-50°	15.5	1.5
50°-60°	3.8	0.4
60°-70°	1.0	0.1
70°-80°	0.1	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°	939.3	93.5
0°-40°	984.4	98.0
0°-60°	1003.6	99.9
0°-90°	1004.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1004.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3231	3231	3231	3231	3231	
5°	3126	3123	3122	3129	3126	284
15°	1713	1692	1704	1698	1695	459
25°	403	418	454	407	394	193
35°	68	69	65	64	54	46
45°	18	22	22	22	18	13
55°	3	3	5	3	3	3
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3230.7	3230.7	3230.7	3230.7	3230.7
2.5°	3209.2	3207.0	3208.3	3209.9	3210.5
5°	3126.0	3123.0	3122.3	3128.8	3126.1
7.5°	2958.0	2953.7	2947.2	2962.0	2975.8
10°	2676.6	2671.9	2657.7	2664.7	2676.0
12.5°	2261.2	2245.8	2245.5	2267.7	2264.7
15°	1712.9	1692.3	1703.7	1698.1	1695.1
17.5°	1151.9	1143.9	1159.2	1154.6	1134.7
20°	828.6	830.7	859.7	845.1	827.5
22.5°	604.6	612.1	646.5	608.9	595.1
25°	402.6	417.8	454.0	407.2	394.3
27.5°	247.6	254.6	291.2	244.4	237.4
30°	154.0	150.5	167.8	144.0	134.2
32.5°	101.0	96.6	102.1	91.7	83.7
35°	67.6	69.0	64.7	64.2	54.2
37.5°	42.2	48.5	42.8	45.7	34.9
40°	27.3	35.2	30.3	33.5	25.7
42.5°	22.4	27.1	24.9	26.5	22.8
45°	17.8	22.0	22.0	22.0	17.9
47.5°	9.8	14.8	18.9	15.1	10.5
50°	5.6	7.5	14.6	7.8	5.9
52.5°	3.8	4.3	10.0	4.4	4.0
55°	2.9	3.0	5.4	3.2	3.0
57.5°	2.2	2.4	2.9	2.4	2.2
60°	1.7	1.7	2.1	1.9	1.7
62.5°	1.3	1.3	1.4	1.3	1.3
65°	1.0	1.0	1.0	1.0	1.0
67.5°	0.5	0.6	0.6	0.6	0.6
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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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