

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: P787734

Luminaire Tested: LER6D05D010-EC6DR300210IC9040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787734
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-EC6DR300210IC9040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1222.6 lumens
Efficiency: N/A
Efficacy: 163.0 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

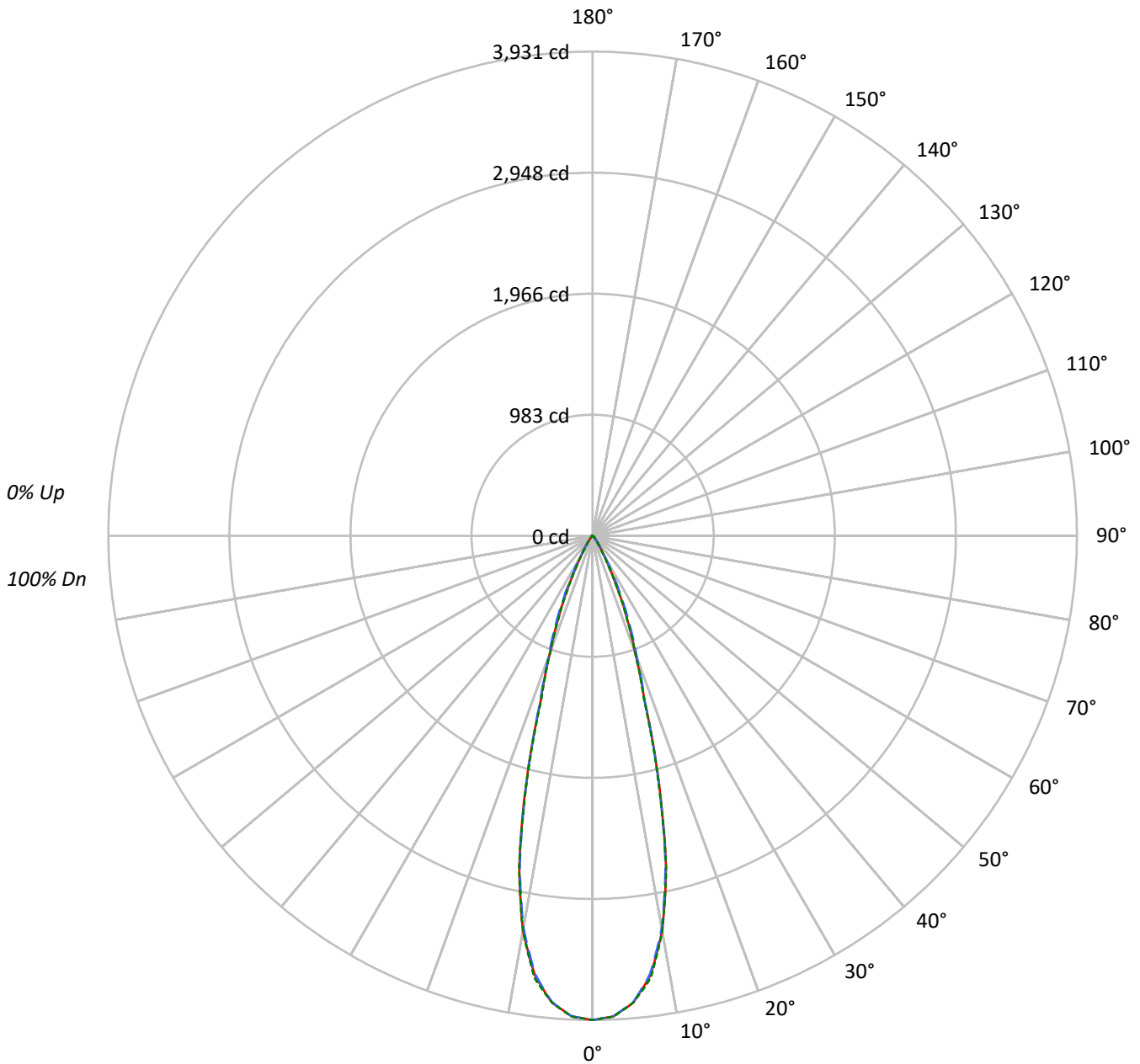


Downlight

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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°	300907	300907	300907
5°	292268	291930	292283
10°	253148	251368	253093
15°	165167	164280	163456
20°	82132	85211	82018
25°	41375	46654	40522
30°	16563	18048	14433
35°	7681	7354	6167
40°	3317	3687	3128
45°	2338	2901	2360
50°	810	2120	845
55°	467	881	494
60°	321	383	321
65°	217	217	217
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2901 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.7	28.3
10°-20°	556.7	45.5
20°-30°	240.6	19.7
30°-40°	54.8	4.5
40°-50°	18.8	1.5
50°-60°	4.6	0.4
60°-70°	1.2	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°	1143.0	93.5
0°-40°	1197.8	98.0
0°-60°	1221.3	99.9
0°-90°	1222.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1222.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3931	3931	3931	3931	3931	
5°	3804	3800	3799	3807	3804	346
15°	2084	2059	2073	2066	2063	558
25°	490	508	552	496	480	234
35°	82	84	79	78	66	56
45°	22	27	27	27	22	15
55°	4	4	7	4	4	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3931.2	3931.2	3931.2	3931.2	3931.2
2.5°	3905.1	3902.4	3904.0	3905.9	3906.7
5°	3803.8	3800.2	3799.4	3807.3	3804.0
7.5°	3599.4	3594.2	3586.3	3604.2	3621.0
10°	3257.0	3251.2	3234.1	3242.5	3256.3
12.5°	2751.5	2732.8	2732.4	2759.4	2755.8
15°	2084.3	2059.2	2073.1	2066.4	2062.7
17.5°	1401.6	1392.0	1410.5	1404.9	1380.8
20°	1008.3	1010.8	1046.1	1028.4	1006.9
22.5°	735.7	744.8	786.7	741.0	724.2
25°	489.9	508.4	552.4	495.5	479.8
27.5°	301.3	309.8	354.4	297.4	288.9
30°	187.4	183.2	204.2	175.3	163.3
32.5°	122.9	117.5	124.3	111.6	101.9
35°	82.2	84.0	78.7	78.2	66.0
37.5°	51.3	59.1	52.1	55.6	42.5
40°	33.2	42.8	36.9	40.7	31.3
42.5°	27.2	33.0	30.3	32.2	27.8
45°	21.6	26.8	26.8	26.8	21.8
47.5°	12.0	17.9	23.0	18.3	12.7
50°	6.8	9.1	17.8	9.5	7.1
52.5°	4.6	5.2	12.2	5.4	4.8
55°	3.5	3.7	6.6	3.9	3.7
57.5°	2.7	2.9	3.5	2.9	2.7
60°	2.1	2.1	2.5	2.3	2.1
62.5°	1.5	1.5	1.7	1.5	1.5
65°	1.2	1.2	1.2	1.2	1.2
67.5°	0.6	0.8	0.8	0.8	0.8
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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