

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: P787742

Luminaire Tested: LER6D05D010-EC6DR300210IC9050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787742
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-EC6DR300210IC9050-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1208.2 lumens
Efficiency: N/A
Efficacy: 161.1 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

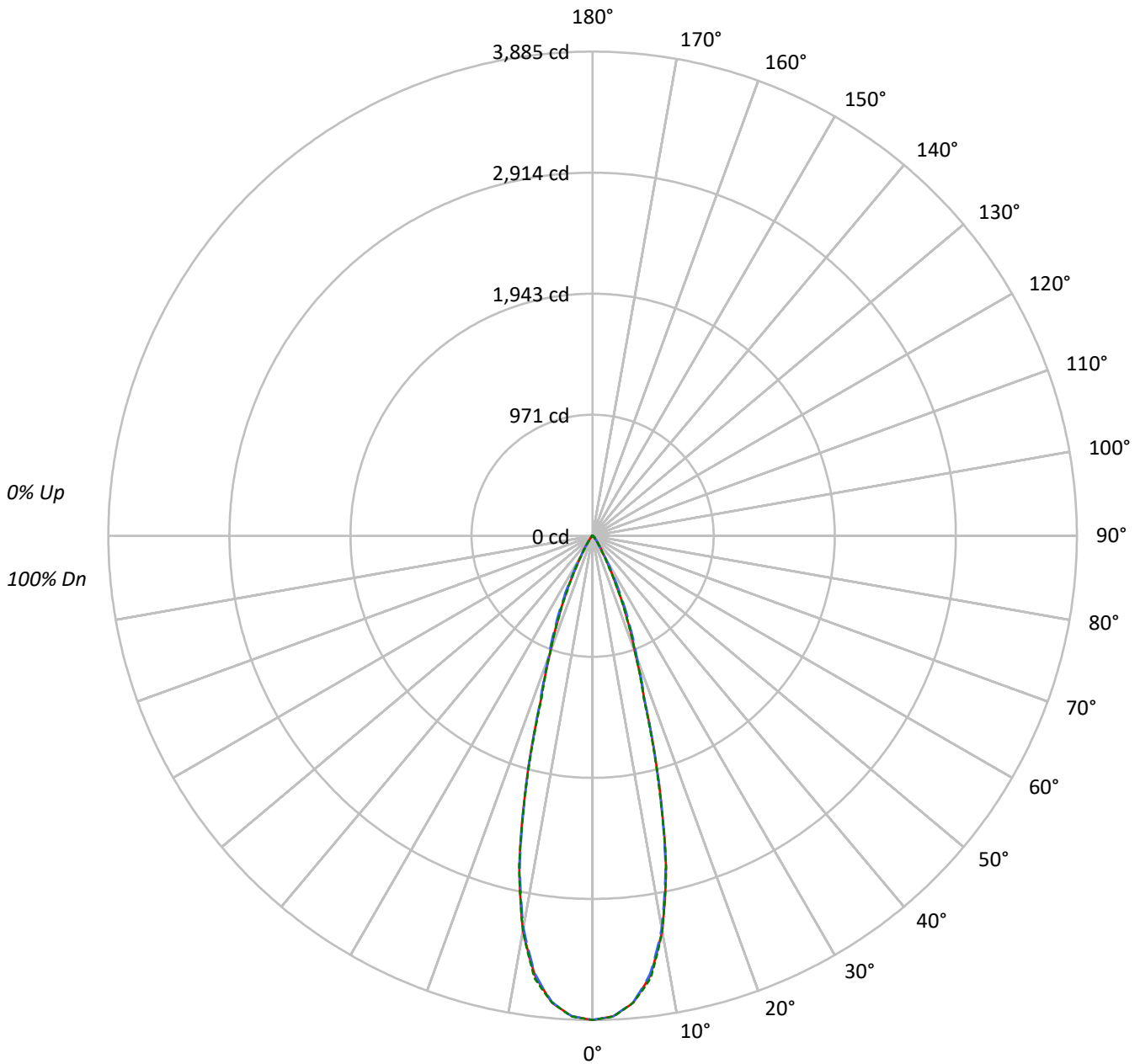


Downlight

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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	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°	297356	297356	297356
5°	288826	288488	288841
10°	250163	248399	250109
15°	163218	162346	161530
20°	81163	84209	81057
25°	40885	46105	40049
30°	16369	17836	14265
35°	7597	7270	6092
40°	3277	3637	3088
45°	2317	2869	2338
50°	798	2084	845
55°	454	867	480
60°	321	383	321
65°	199	199	199
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: 2869 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.6	28.3
10°-20°	550.2	45.5
20°-30°	237.7	19.7
30°-40°	54.2	4.5
40°-50°	18.6	1.5
50°-60°	4.5	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°	1129.5	93.5
0°-40°	1183.7	98.0
0°-60°	1206.9	99.9
0°-90°	1208.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1208.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3885	3885	3885	3885	3885	
5°	3759	3755	3755	3762	3759	342
15°	2060	2035	2049	2042	2038	552
25°	484	502	546	490	474	232
35°	81	83	78	77	65	55
45°	21	26	26	26	22	15
55°	3	4	6	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3884.8	3884.8	3884.8	3884.8	3884.8
2.5°	3859.1	3856.4	3858.0	3859.9	3860.6
5°	3759.0	3755.3	3754.6	3762.4	3759.2
7.5°	3557.0	3551.8	3544.0	3561.7	3578.3
10°	3218.6	3212.9	3195.9	3204.3	3217.9
12.5°	2719.1	2700.6	2700.2	2726.9	2723.3
15°	2059.7	2034.9	2048.7	2042.0	2038.4
17.5°	1385.1	1375.6	1393.9	1388.3	1364.5
20°	996.4	998.9	1033.8	1016.2	995.1
22.5°	727.1	736.0	777.4	732.2	715.6
25°	484.1	502.4	545.9	489.6	474.2
27.5°	297.7	306.1	350.2	293.9	285.5
30°	185.2	181.0	201.8	173.2	161.4
32.5°	121.5	116.2	122.8	110.2	100.7
35°	81.3	83.0	77.8	77.2	65.2
37.5°	50.7	58.4	51.5	54.9	42.0
40°	32.8	42.3	36.4	40.2	30.9
42.5°	26.9	32.6	29.9	31.9	27.5
45°	21.4	26.5	26.5	26.5	21.6
47.5°	11.8	17.7	22.7	18.1	12.6
50°	6.7	9.0	17.5	9.3	7.1
52.5°	4.6	5.1	12.0	5.3	4.8
55°	3.4	3.6	6.5	3.8	3.6
57.5°	2.7	2.9	3.4	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°	1.1	1.1	1.1	1.1	1.1
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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