

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: P787726

Luminaire Tested: LER6D05D010-EC6DR300210IC9035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787726
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-EC6DR300210IC9035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1189.7 lumens
Efficiency: N/A
Efficacy: 158.6 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

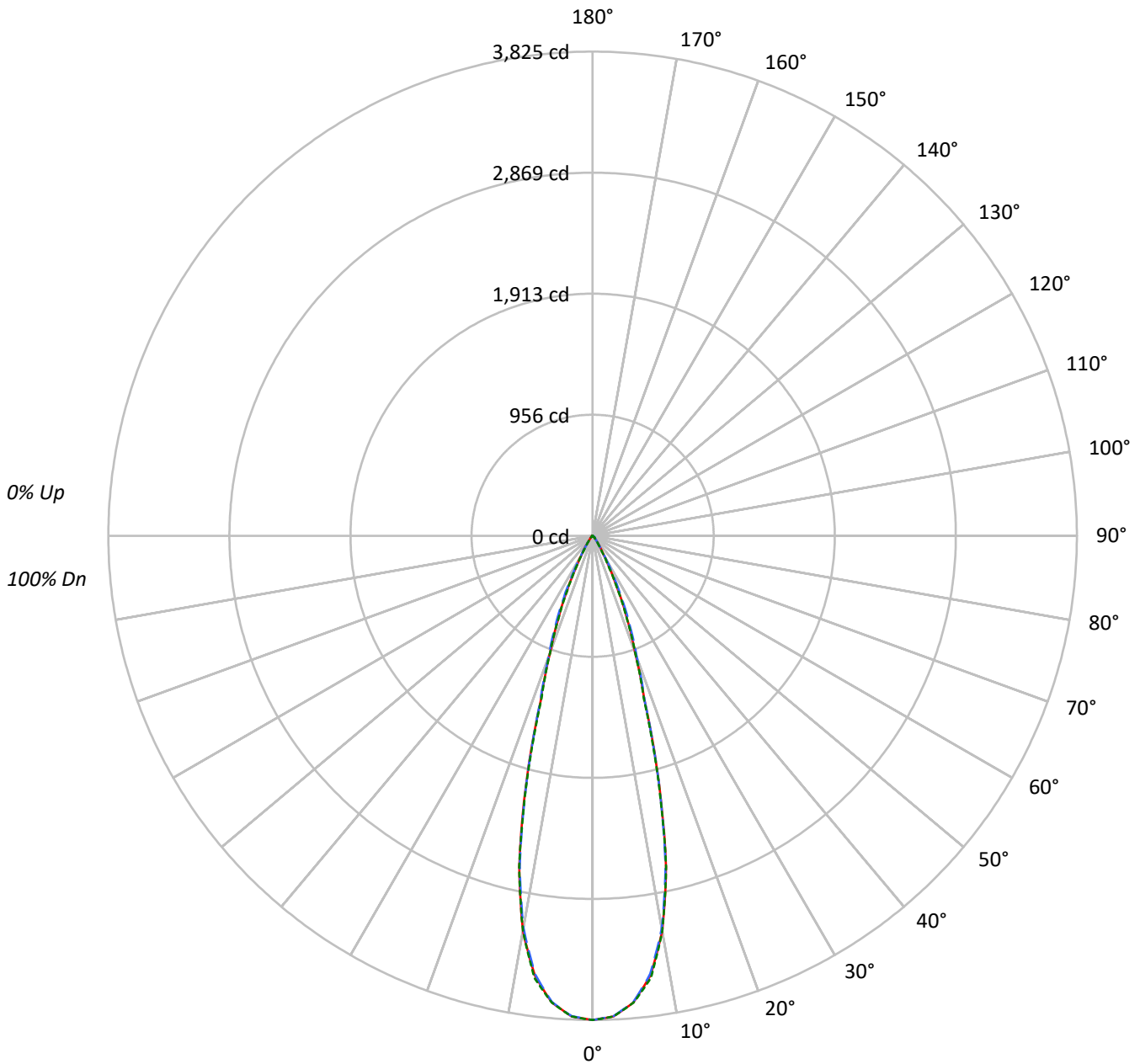


Downlight

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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°	292809	292809	292809
5°	284408	284077	284423
10°	246339	244598	246277
15°	160722	159858	159058
20°	79916	82922	79810
25°	40260	45395	39433
30°	16121	17562	14044
35°	7475	7158	5999
40°	3227	3587	3038
45°	2273	2825	2295
50°	786	2060	822
55°	454	854	480
60°	321	367	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: 2825 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.4	28.3
10°-20°	541.8	45.5
20°-30°	234.1	19.7
30°-40°	53.4	4.5
40°-50°	18.3	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°	1112.2	93.5
0°-40°	1165.6	98.0
0°-60°	1188.4	99.9
0°-90°	1189.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1189.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3825	3825	3825	3825	3825	
5°	3702	3698	3697	3705	3702	337
15°	2028	2004	2017	2011	2007	543
25°	477	495	538	482	467	228
35°	80	82	77	76	64	54
45°	21	26	26	26	21	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°	3825.4	3825.4	3825.4	3825.4	3825.4
2.5°	3800.1	3797.4	3798.9	3800.8	3801.6
5°	3701.5	3697.9	3697.2	3704.9	3701.7
7.5°	3502.6	3497.5	3489.8	3507.3	3523.6
10°	3169.4	3163.8	3147.0	3155.3	3168.6
12.5°	2677.5	2659.3	2658.9	2685.2	2681.6
15°	2028.2	2003.8	2017.3	2010.8	2007.2
17.5°	1363.9	1354.5	1372.6	1367.1	1343.6
20°	981.1	983.6	1018.0	1000.7	979.8
22.5°	716.0	724.8	765.5	721.0	704.7
25°	476.7	494.7	537.5	482.1	466.9
27.5°	293.2	301.4	344.8	289.4	281.2
30°	182.4	178.2	198.7	170.5	158.9
32.5°	119.6	114.4	121.0	108.6	99.2
35°	80.0	81.7	76.6	76.1	64.2
37.5°	50.0	57.5	50.7	54.1	41.3
40°	32.3	41.7	35.9	39.6	30.4
42.5°	26.5	32.1	29.5	31.4	27.0
45°	21.0	26.1	26.1	26.1	21.2
47.5°	11.6	17.5	22.4	17.8	12.4
50°	6.6	8.8	17.3	9.2	6.9
52.5°	4.5	5.1	11.8	5.3	4.7
55°	3.4	3.6	6.4	3.8	3.6
57.5°	2.6	2.8	3.4	2.8	2.6
60°	2.1	2.1	2.4	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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