

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: P787706

Luminaire Tested: LER6D05D010-EC6DR300210IC9027-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787706
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-EC6DR300210IC9027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 973.0 lumens
Efficiency: N/A
Efficacy: 129.7 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

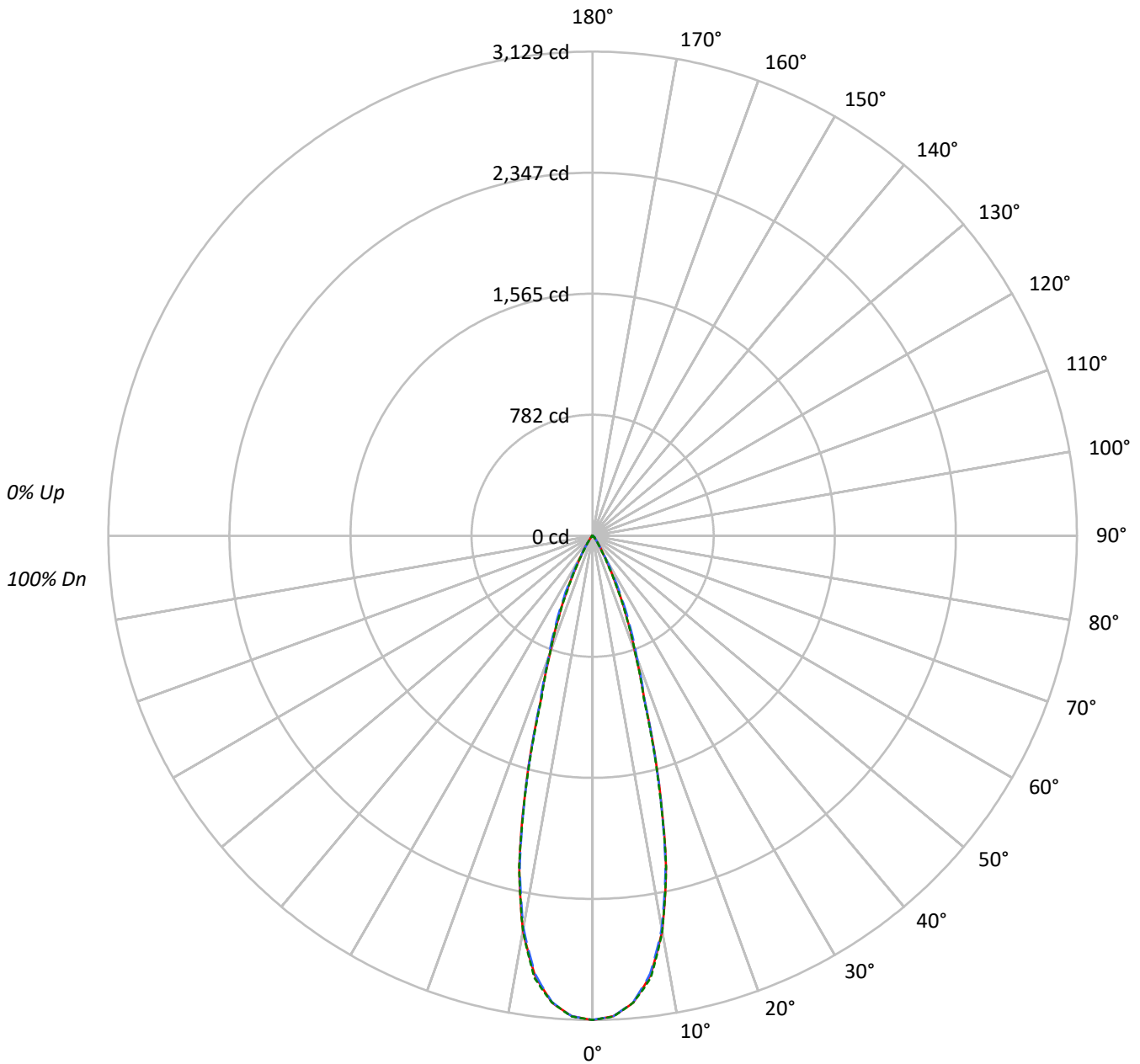


Downlight

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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					70					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°	239489	239489	239489
5°	232613	232344	232628
10°	201477	200054	201430
15°	131457	130752	130094
20°	65368	67820	65279
25°	32930	37127	32254
30°	13187	14363	11490
35°	6111	5859	4906
40°	2638	2928	2488
45°	1862	2317	1884
50°	643	1679	679
55°	374	694	387
60°	260	306	260
65°	163	163	163
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: 2317 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.1	28.3
10°-20°	443.1	45.5
20°-30°	191.5	19.7
30°-40°	43.6	4.5
40°-50°	15.0	1.5
50°-60°	3.7	0.4
60°-70°	0.9	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°	909.7	93.5
0°-40°	953.3	98.0
0°-60°	972.0	99.9
0°-90°	973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	973.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3129	3129	3129	3129	3129	
5°	3027	3024	3024	3030	3028	275
15°	1659	1639	1650	1645	1642	444
25°	390	405	440	394	382	187
35°	65	67	63	62	52	44
45°	17	21	21	21	17	12
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3128.8	3128.8	3128.8	3128.8	3128.8
2.5°	3108.0	3105.9	3107.1	3108.7	3109.3
5°	3027.4	3024.5	3023.9	3030.2	3027.6
7.5°	2864.7	2860.6	2854.3	2868.6	2881.9
10°	2592.2	2587.6	2573.9	2580.7	2591.6
12.5°	2189.9	2175.0	2174.7	2196.2	2193.3
15°	1658.9	1638.9	1650.0	1644.6	1641.7
17.5°	1115.5	1107.9	1122.6	1118.1	1098.9
20°	802.5	804.5	832.6	818.4	801.4
22.5°	585.6	592.8	626.1	589.7	576.4
25°	389.9	404.6	439.6	394.3	381.9
27.5°	239.8	246.5	282.0	236.7	230.0
30°	149.2	145.8	162.5	139.5	130.0
32.5°	97.9	93.6	98.9	88.8	81.1
35°	65.4	66.8	62.7	62.2	52.5
37.5°	40.9	47.0	41.5	44.2	33.8
40°	26.4	34.1	29.3	32.4	24.9
42.5°	21.7	26.3	24.1	25.7	22.1
45°	17.2	21.4	21.4	21.4	17.4
47.5°	9.5	14.3	18.3	14.6	10.1
50°	5.4	7.2	14.1	7.5	5.7
52.5°	3.7	4.1	9.7	4.3	3.8
55°	2.8	2.9	5.2	3.1	2.9
57.5°	2.2	2.3	2.8	2.3	2.2
60°	1.7	1.7	2.0	1.8	1.7
62.5°	1.2	1.2	1.4	1.2	1.2
65°	0.9	0.9	0.9	0.9	0.9
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

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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