

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: P787582

Luminaire Tested: LER6D05D010-EC6DR150210IC9035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787582
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D05D010-EC6DR150210IC9035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 704.5 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
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

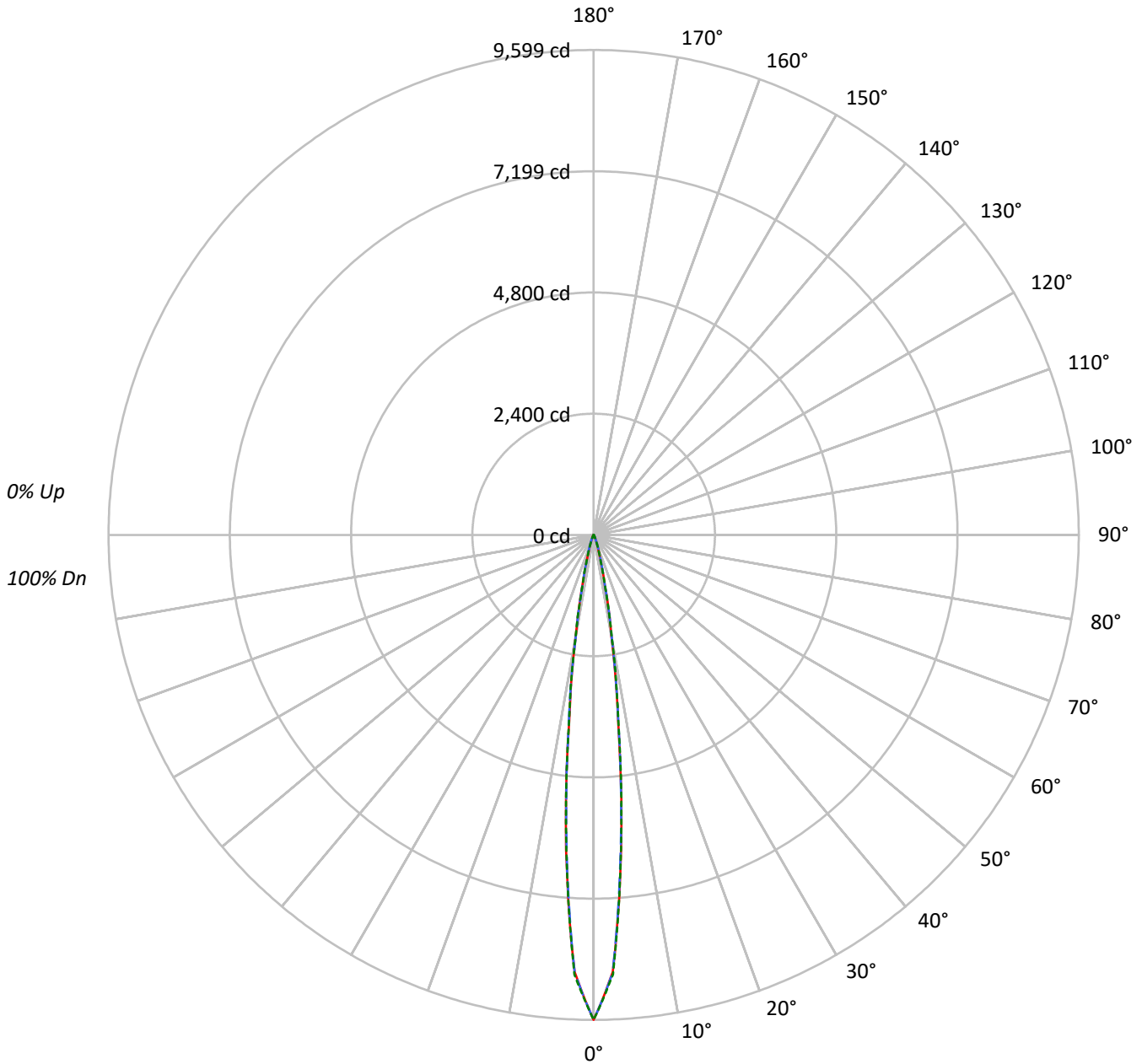


Downlight

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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					100			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98					98			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96					96			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94					94			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93					93			
5	106	101	98	95	104	100	97	95	99	96	94	97	95	93	96	94	92	92					92			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90					90			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89					89			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88					88			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87					87			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86					86			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1080113	1080113	1080113
5°	634723	626512	631461
10°	189433	190767	193688
15°	47120	48041	46555
20°	14098	16324	14401
25°	4970	6333	5032
30°	1827	2404	1857
35°	915	1031	886
40°	575	632	575
45°	427	455	427
50°	341	341	341
55°	285	285	285
60°	232	232	232
65°	171	171	171
70°	146	146	146
75°	91	91	121
80°	63	63	63
85°	33	33	33

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 455 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	456.9	64.9
10°-20°	188.0	26.7
20°-30°	37.3	5.3
30°-40°	9.3	1.3
40°-50°	4.9	0.7
50°-60°	3.7	0.5
60°-70°	2.5	0.4
70°-80°	1.4	0.2
80°-90°	0.4	0.1
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
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0°-30°	682.2	96.8
0°-40°	691.6	98.2
0°-60°	700.1	99.4
0°-90°	704.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	704.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9599	9599	9599	9599	9599	
5°	6246	6181	6165	6207	6213	456
15°	542	553	553	543	536	186
25°	64	72	81	72	65	34
35°	13	13	14	13	12	9
45°	6	6	6	6	6	5
55°	4	4	4	4	4	4
65°	2	2	2	2	2	3
75°	1	1	1	1	2	1
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°	9599.3	9599.3	9599.3	9599.3	9599.3
2.5°	8659.0	8666.3	8669.1	8677.7	8709.4
5°	6245.5	6181.3	6164.7	6207.3	6213.4
7.5°	3699.6	3712.6	3760.2	3770.7	3732.5
10°	2030.2	2046.9	2044.5	2059.1	2075.8
12.5°	1038.3	1025.3	1021.2	1037.9	1014.7
15°	542.5	552.7	553.1	543.3	536.0
17.5°	291.8	303.6	323.1	307.2	282.8
20°	172.3	182.9	199.5	186.5	176.0
22.5°	106.5	115.0	126.8	116.6	108.1
25°	63.8	72.3	81.3	71.9	64.6
27.5°	37.8	45.1	50.8	44.7	37.4
30°	24.4	28.4	32.1	28.0	24.8
32.5°	17.1	18.7	20.3	18.7	17.1
35°	12.6	13.4	14.2	13.4	12.2
37.5°	9.8	10.6	11.0	10.2	9.3
40°	8.1	8.5	8.9	8.5	8.1
42.5°	6.9	7.3	7.3	7.3	6.9
45°	6.1	6.1	6.5	6.1	6.1
47.5°	5.3	5.3	5.7	5.3	5.3
50°	4.9	4.9	4.9	4.9	4.9
52.5°	4.5	4.5	4.5	4.5	4.5
55°	4.1	4.1	4.1	4.1	4.1
57.5°	3.7	3.7	3.7	3.7	3.7
60°	3.3	3.3	3.3	3.3	3.3
62.5°	2.8	2.8	2.8	2.8	2.8
65°	2.4	2.4	2.4	2.4	2.4
67.5°	2.4	2.4	2.4	2.4	2.4
70°	2.0	2.0	2.0	2.0	2.0
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.2	1.2	1.2	1.2	1.6
77.5°	1.2	1.2	1.2	1.2	1.2
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4
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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