

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: P786962

Luminaire Tested: LER6D02D010-EC6DR150210IC9040-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786962
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: LER6D02D010-EC6DR150210IC9040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 384.6 lumens
Efficiency: N/A
Efficacy: 75.4 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): 5.1
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

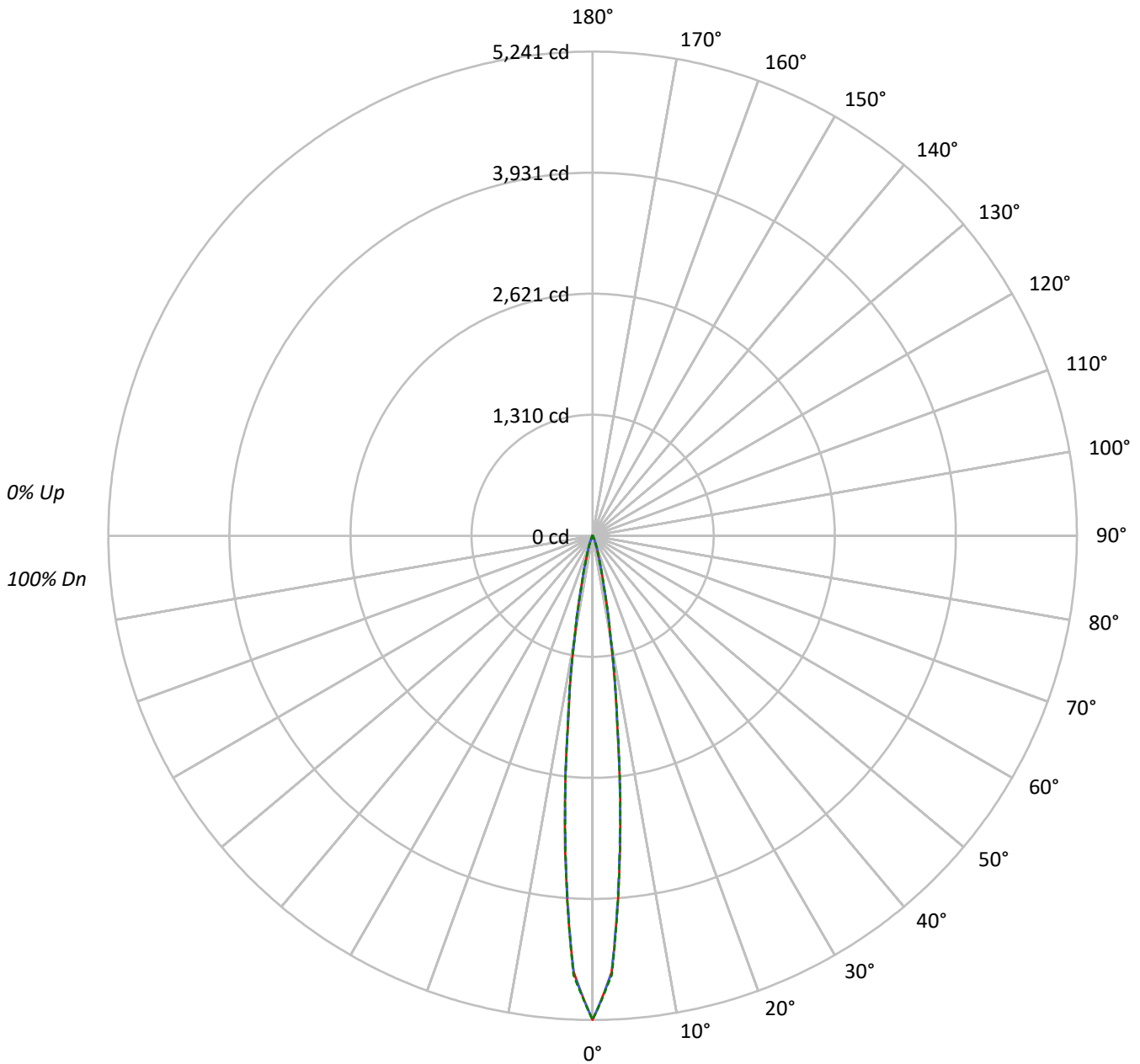


Downlight

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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°	589683	589683	589683
5°	346524	342032	344746
10°	103422	104150	105736
15°	25727	26222	25414
20°	7700	8911	7863
25°	2711	3459	2750
30°	996	1310	1011
35°	501	566	487
40°	312	348	312
45°	231	245	231
50°	188	188	188
55°	153	153	153
60°	126	126	126
65°	93	93	93
70°	80	80	80
75°	53	53	68
80°	32	32	32
85°	17	17	17

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 245 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.5	64.9
10°-20°	102.6	26.7
20°-30°	20.4	5.3
30°-40°	5.1	1.3
40°-50°	2.7	0.7
50°-60°	2.0	0.5
60°-70°	1.4	0.4
70°-80°	0.8	0.2
80°-90°	0.2	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
0°-30°	372.5	96.8
0°-40°	377.5	98.2
0°-60°	382.2	99.4
0°-90°	384.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	384.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5241	5241	5241	5241	5241	
5°	3410	3375	3366	3389	3392	249
15°	296	302	302	297	293	102
25°	35	40	44	39	35	18
35°	7	7	8	7	7	5
45°	3	3	4	3	3	3
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	5240.7	5240.7	5240.7	5240.7	5240.7
2.5°	4727.3	4731.3	4732.8	4737.5	4754.8
5°	3409.7	3374.6	3365.5	3388.8	3392.2
7.5°	2019.8	2026.9	2052.8	2058.6	2037.7
10°	1108.4	1117.5	1116.2	1124.1	1133.2
12.5°	566.8	559.7	557.5	566.6	554.0
15°	296.2	301.7	301.9	296.6	292.6
17.5°	159.3	165.7	176.4	167.7	154.4
20°	94.1	99.8	108.9	101.8	96.1
22.5°	58.1	62.8	69.2	63.7	59.0
25°	34.8	39.5	44.4	39.3	35.3
27.5°	20.6	24.6	27.7	24.4	20.4
30°	13.3	15.5	17.5	15.3	13.5
32.5°	9.3	10.2	11.1	10.2	9.3
35°	6.9	7.3	7.8	7.3	6.7
37.5°	5.3	5.8	6.0	5.5	5.1
40°	4.4	4.7	4.9	4.7	4.4
42.5°	3.8	4.0	4.0	4.0	3.8
45°	3.3	3.3	3.5	3.3	3.3
47.5°	2.9	2.9	3.1	2.9	2.9
50°	2.7	2.7	2.7	2.7	2.7
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.0	2.0	2.0	2.0	2.0
60°	1.8	1.8	1.8	1.8	1.8
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	1.1	1.1	1.1	1.1	1.1
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.7	0.7	0.7	0.7	0.9
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2
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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