

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: P788814

Luminaire Tested: LER6D10D010-EC6DR150210IC9027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788814
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: LER6D10D010-EC6DR150210IC9027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1016.6 lumens
Efficiency: N/A
Efficacy: 86.9 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

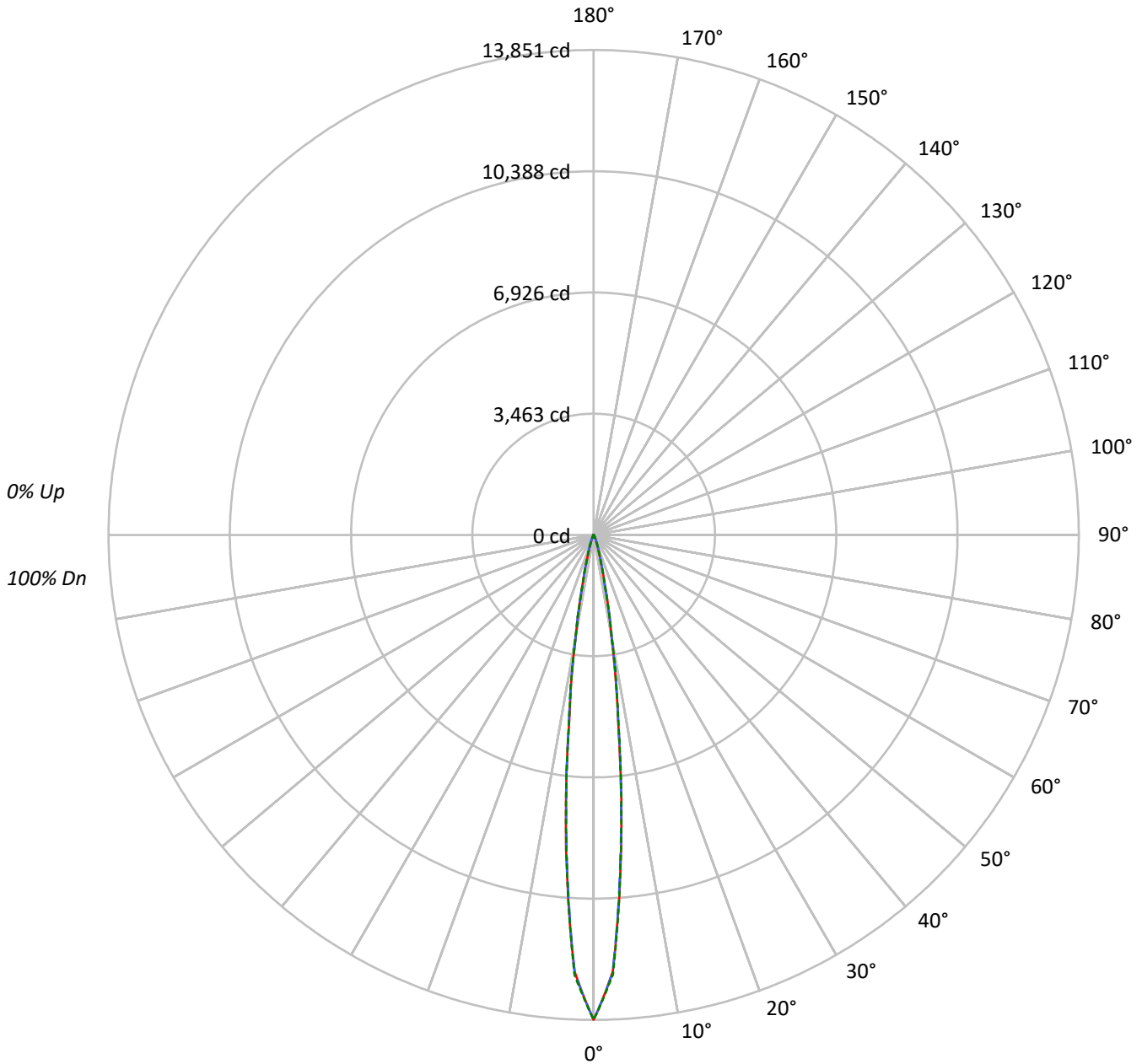
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1558469	1558469	1558469
5°	915829	903969	911123
10°	273335	275248	279456
15°	67992	69312	67175
20°	20341	23557	20775
25°	7175	9138	7260
30°	2636	3467	2681
35°	1322	1489	1278
40°	831	916	831
45°	616	658	616
50°	487	487	487
55°	411	411	411
60°	330	330	330
65°	250	250	250
70°	212	212	212
75°	136	136	174
80°	95	95	95
85°	50	50	50

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 658 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	659.3	64.9
10°-20°	271.2	26.7
20°-30°	53.9	5.3
30°-40°	13.4	1.3
40°-50°	7.1	0.7
50°-60°	5.2	0.5
60°-70°	3.7	0.4
70°-80°	2.1	0.2
80°-90°	0.7	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°	984.4	96.8
0°-40°	997.8	98.2
0°-60°	1010.1	99.4
0°-90°	1016.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1016.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13851	13851	13851	13851	13851	
5°	9012	8919	8895	8956	8965	658
15°	783	797	798	784	773	268
25°	92	104	117	104	93	48
35°	18	19	20	19	18	12
45°	9	9	9	9	9	7
55°	6	6	6	6	6	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13850.6	13850.6	13850.6	13850.6	13850.6
2.5°	12493.8	12504.4	12508.5	12520.8	12566.5
5°	9011.5	8918.9	8894.8	8956.4	8965.2
7.5°	5338.1	5356.8	5425.4	5440.7	5385.6
10°	2929.4	2953.4	2949.9	2971.0	2995.0
12.5°	1498.1	1479.3	1473.5	1497.5	1464.1
15°	782.8	797.4	798.0	783.9	773.4
17.5°	421.0	438.0	466.1	443.3	408.1
20°	248.6	263.9	287.9	269.1	253.9
22.5°	153.6	165.9	182.9	168.3	156.0
25°	92.1	104.4	117.3	103.8	93.2
27.5°	54.5	65.1	73.3	64.5	53.9
30°	35.2	41.0	46.3	40.5	35.8
32.5°	24.6	27.0	29.3	27.0	24.6
35°	18.2	19.3	20.5	19.3	17.6
37.5°	14.1	15.2	15.8	14.7	13.5
40°	11.7	12.3	12.9	12.3	11.7
42.5°	10.0	10.6	10.6	10.6	10.0
45°	8.8	8.8	9.4	8.8	8.8
47.5°	7.6	7.6	8.2	7.6	7.6
50°	7.0	7.0	7.0	7.0	7.0
52.5°	6.4	6.4	6.4	6.4	6.4
55°	5.9	5.9	5.9	5.9	5.9
57.5°	5.3	5.3	5.3	5.3	5.3
60°	4.7	4.7	4.7	4.7	4.7
62.5°	4.1	4.1	4.1	4.1	4.1
65°	3.5	3.5	3.5	3.5	3.5
67.5°	3.5	3.5	3.5	3.5	3.5
70°	2.9	2.9	2.9	2.9	2.9
72.5°	2.3	2.3	2.3	2.3	2.3
75°	1.8	1.8	1.8	1.8	2.3
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.6	0.6	0.6	0.6	0.6
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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