

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: P794153

Luminaire Tested: LER6D55D010-EC6DR7055659050-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P794153
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D55D010-EC6DR7055659050-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7351.8 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

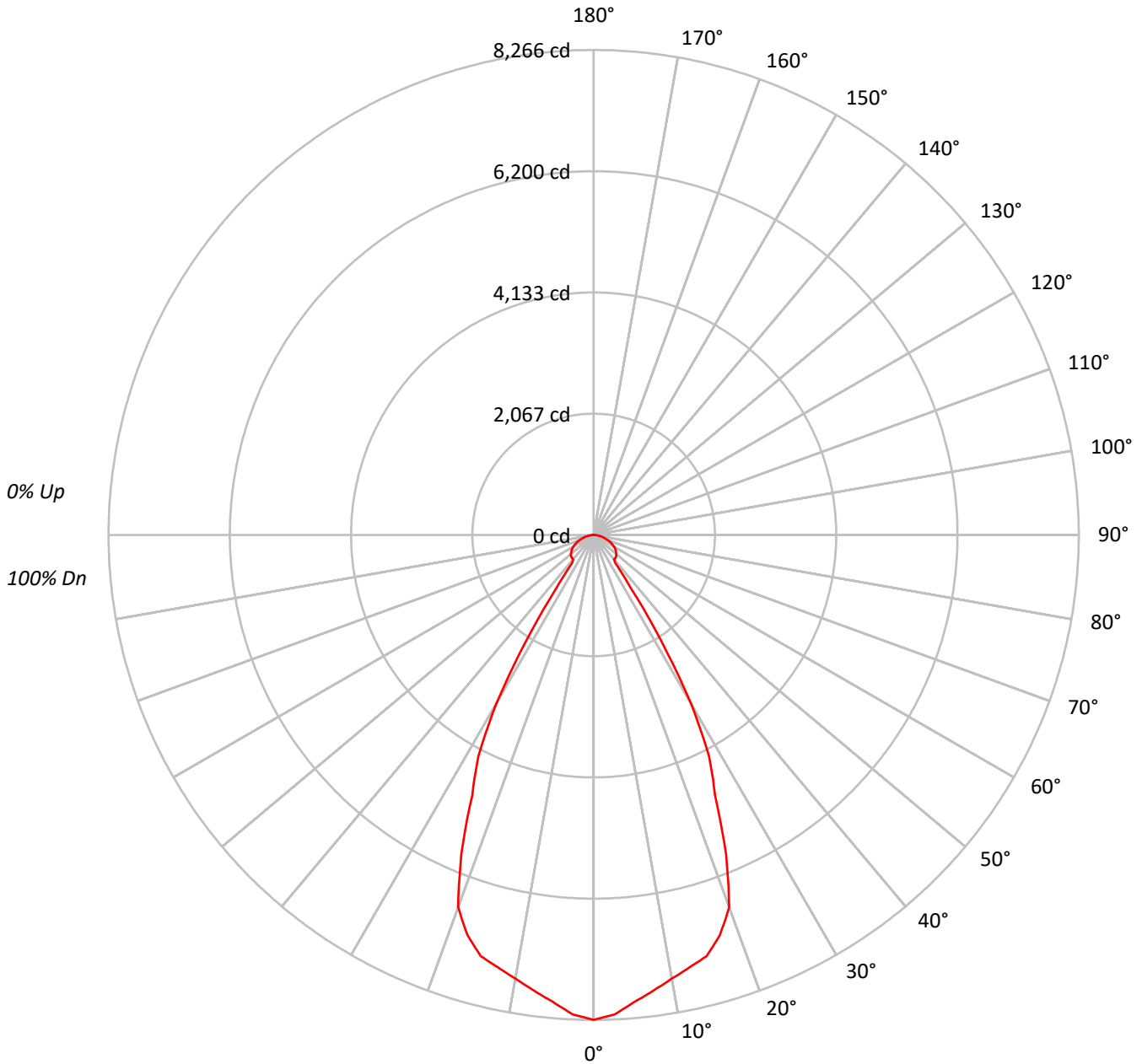
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	903106
5°	876273
10°	851846
15°	840671
20°	785016
25°	589735
30°	416895
35°	147668
40°	77648
45°	82698
50°	85636
55°	87245
60°	87802
65°	85936
70°	81110
75°	75143
80°	66696
85°	54157

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 87828 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	753.6	10.3
10°-20°	2067.0	28.1
20°-30°	2276.6	31.0
30°-40°	869.8	11.8
40°-50°	410.7	5.6
50°-60°	408.3	5.6
60°-70°	326.9	4.4
70°-80°	187.9	2.6
80°-90°	51.1	0.7
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°	5097.2	69.3
0°-40°	5967.0	81.2
0°-60°	6786.0	92.3
0°-90°	7351.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7351.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8266	
5°	7990	754
15°	7432	2067
25°	4892	2277
35°	1107	870
45°	535	411
55°	458	408
65°	332	327
75°	178	188
85°	43	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8265.6
2.5°	8179.2
5°	7989.5
7.5°	7831.1
10°	7678.0
12.5°	7548.5
15°	7432.0
17.5°	7150.6
20°	6751.5
22.5°	5890.4
25°	4891.8
27.5°	4258.4
30°	3304.4
32.5°	2134.5
35°	1107.1
37.5°	598.1
40°	544.4
42.5°	540.5
45°	535.2
47.5°	523.5
50°	503.8
52.5°	481.6
55°	458.0
57.5°	431.9
60°	401.8
62.5°	367.7
65°	332.4
67.5°	293.1
70°	253.9
72.5°	214.6
75°	178.0
77.5°	140.0
80°	106.0
82.5°	74.6
85°	43.2
87.5°	17.0
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)