

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: P794633

Luminaire Tested: LER6D60D010-EC6DR7055659050-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P794633
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: LER6D60D010-EC6DR7055659050-6LB DP1LI
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: 8084.4 lumens
Efficiency: N/A
Efficacy: 125.5 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

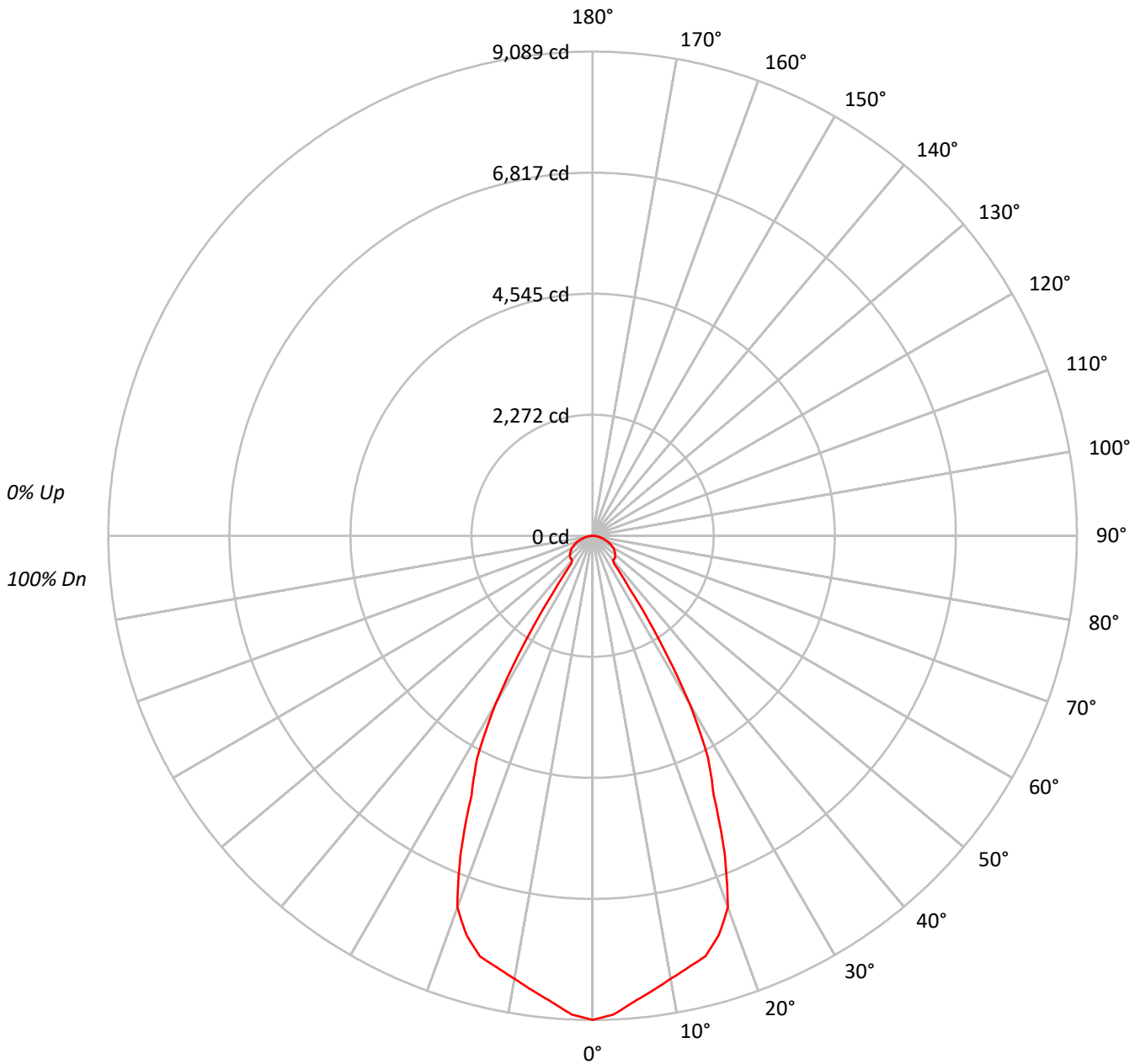
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	993093
5°	963588
10°	936731
15°	924433
20°	863233
25°	648506
30°	458440
35°	162394
40°	85392
45°	90949
50°	94169
55°	95950
60°	96543
65°	94494
70°	89192
75°	82615
80°	73366
85°	59547

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 96572 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	828.7	10.3
10°-20°	2273.0	28.1
20°-30°	2503.4	31.0
30°-40°	956.5	11.8
40°-50°	451.6	5.6
50°-60°	449.0	5.6
60°-70°	359.5	4.4
70°-80°	206.6	2.6
80°-90°	56.2	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°	5605.1	69.3
0°-40°	6561.6	81.2
0°-60°	7462.2	92.3
0°-90°	8084.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8084.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9089	
5°	8786	829
15°	8172	2273
25°	5379	2503
35°	1218	956
45°	589	452
55°	504	449
65°	366	359
75°	196	207
85°	48	56
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9089.2
2.5°	8994.2
5°	8785.6
7.5°	8611.4
10°	8443.1
12.5°	8300.6
15°	8172.5
17.5°	7863.1
20°	7424.2
22.5°	6477.3
25°	5379.3
27.5°	4682.8
30°	3633.7
32.5°	2347.1
35°	1217.5
37.5°	657.7
40°	598.7
42.5°	594.3
45°	588.6
47.5°	575.6
50°	554.0
52.5°	529.6
55°	503.7
57.5°	474.9
60°	441.8
62.5°	404.4
65°	365.5
67.5°	322.4
70°	279.2
72.5°	236.0
75°	195.7
77.5°	154.0
80°	116.6
82.5°	82.0
85°	47.5
87.5°	18.7
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)