

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: P793545

Luminaire Tested: LER6D50D010-EC6DR6040509027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P793545
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D50D010-EC6DR6040509027-6LB DP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5886.2 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

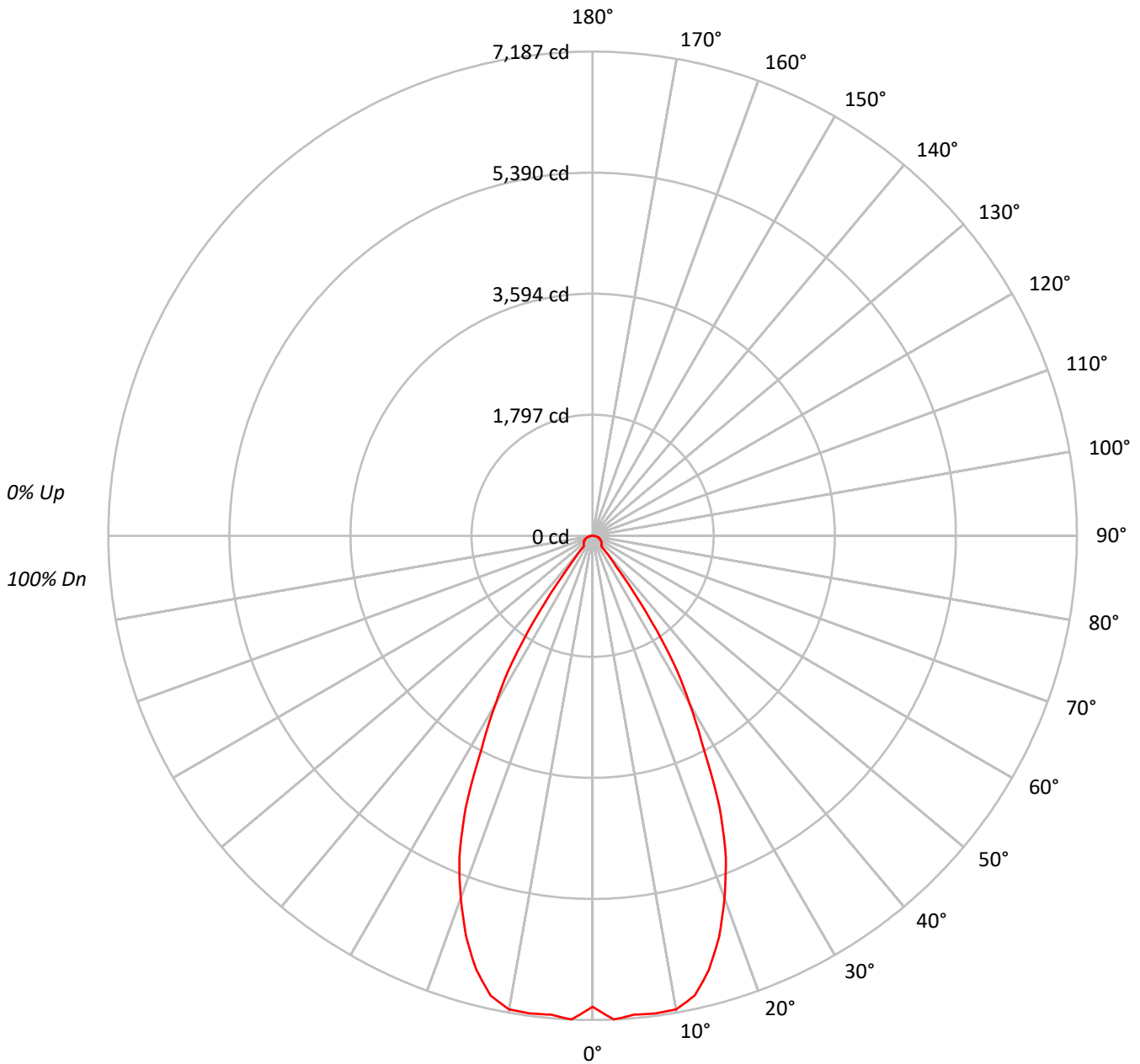
Input Watts (W): 47
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	763798
5°	782586
10°	792034
15°	754523
20°	665255
25°	538077
30°	363969
35°	182388
40°	29581
45°	28957
50°	29542
55°	29983
60°	30812
65°	31515
70°	32265
75°	32632
80°	31460
85°	26201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 32632 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	681.9	11.6
10°-20°	1845.1	31.3
20°-30°	1985.1	33.7
30°-40°	862.9	14.7
40°-50°	144.9	2.5
50°-60°	140.9	2.4
60°-70°	120.5	2.0
70°-80°	80.7	1.4
80°-90°	24.1	0.4
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°	4512.1	76.7
0°-40°	5375.1	91.3
0°-60°	5660.9	96.2
0°-90°	5886.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5886.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6991	
5°	7135	682
15°	6670	1845
25°	4463	1985
35°	1367	863
45°	187	145
55°	157	141
65°	122	121
75°	77	81
85°	21	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6990.6
2.5°	7187.1
5°	7135.3
7.5°	7151.6
10°	7138.9
12.5°	6991.5
15°	6670.4
17.5°	6239.1
20°	5721.5
22.5°	5167.4
25°	4463.3
27.5°	3569.9
30°	2884.9
32.5°	2223.5
35°	1367.4
37.5°	585.0
40°	207.4
42.5°	191.0
45°	187.4
47.5°	181.0
50°	173.8
52.5°	165.6
55°	157.4
57.5°	149.2
60°	141.0
62.5°	131.9
65°	121.9
67.5°	111.9
70°	101.0
72.5°	89.2
75°	77.3
77.5°	63.7
80°	50.0
82.5°	35.5
85°	20.9
87.5°	7.3
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)