

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: P793673

Luminaire Tested: LER6D50D010-EC6DR7040509050-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P793673
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: LER6D50D010-EC6DR7040509050-6LBDP1LI
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: 6502.7 lumens
Efficiency: N/A
Efficacy: 138.4 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): 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

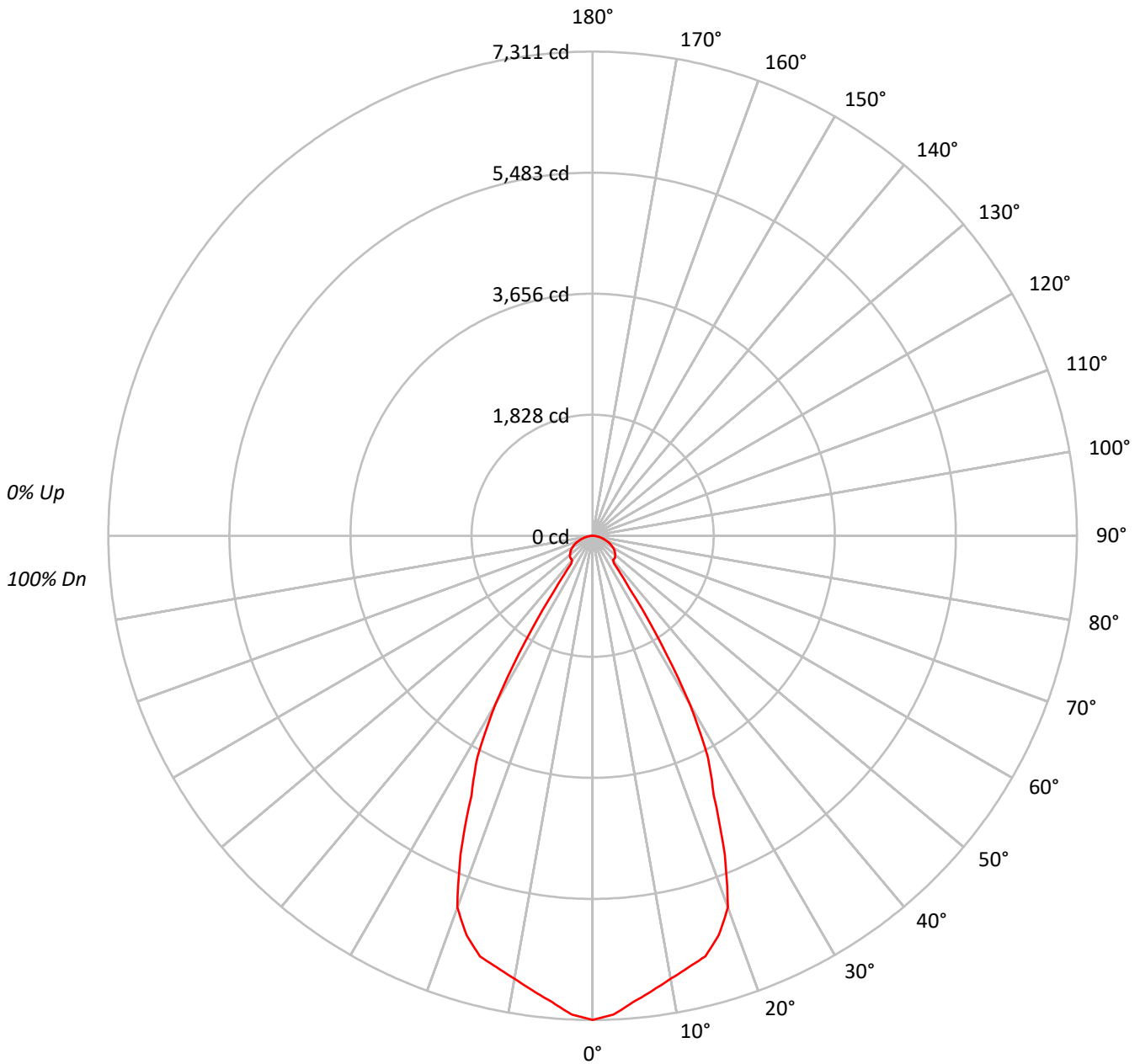


Downlight

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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																			
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°	798784
5°	775051
10°	753447
15°	743562
20°	694335
25°	521621
30°	368738
35°	130622
40°	68676
45°	73149
50°	75743
55°	77168
60°	77663
65°	76009
70°	71750
75°	66447
80°	59020
85°	47889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 77680 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	666.5	10.3
10°-20°	1828.3	28.1
20°-30°	2013.6	31.0
30°-40°	769.3	11.8
40°-50°	363.3	5.6
50°-60°	361.2	5.6
60°-70°	289.2	4.4
70°-80°	166.2	2.6
80°-90°	45.2	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°	4508.4	69.3
0°-40°	5277.7	81.2
0°-60°	6002.1	92.3
0°-90°	6502.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6502.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7311	
5°	7067	667
15°	6574	1828
25°	4327	2014
35°	979	769
45°	473	363
55°	405	361
65°	294	289
75°	157	166
85°	38	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7310.8
2.5°	7234.4
5°	7066.6
7.5°	6926.5
10°	6791.1
12.5°	6676.5
15°	6573.5
17.5°	6324.6
20°	5971.6
22.5°	5209.9
25°	4326.8
27.5°	3766.5
30°	2922.7
32.5°	1887.9
35°	979.3
37.5°	529.0
40°	481.5
42.5°	478.1
45°	473.4
47.5°	463.0
50°	445.6
52.5°	426.0
55°	405.1
57.5°	382.0
60°	355.4
62.5°	325.3
65°	294.0
67.5°	259.3
70°	224.6
72.5°	189.8
75°	157.4
77.5°	123.9
80°	93.8
82.5°	66.0
85°	38.2
87.5°	15.0
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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Scaled Data Report





— 0°-180°

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(END OF REPORT)