

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: P793642

Luminaire Tested: LER6D50D010-EC6DR7040509027-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P793642
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-EC6DR7040509027-6LB DP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4407.4 lumens
Efficiency: N/A
Efficacy: 93.8 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

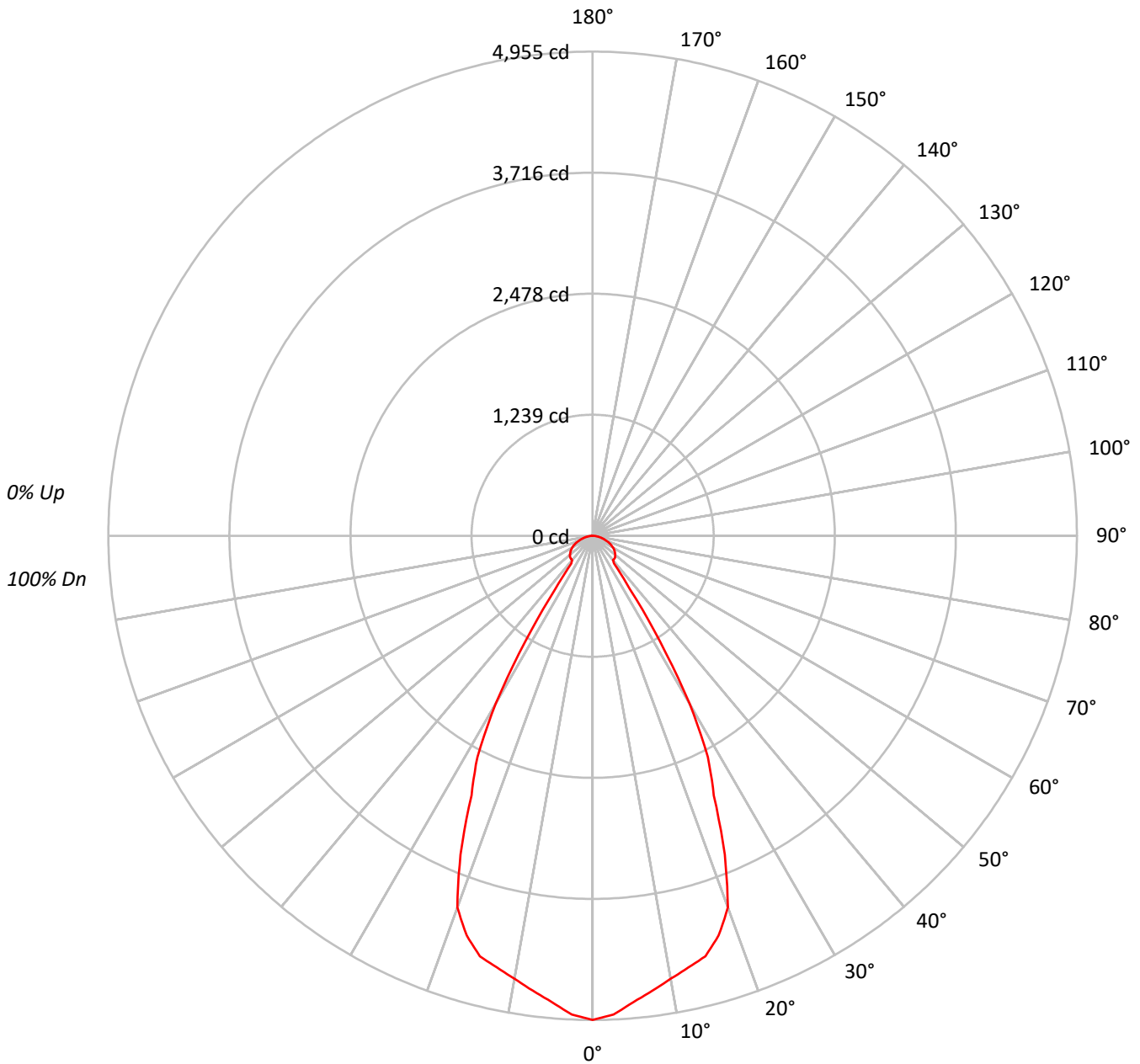


Downlight

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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°	541409
5°	525325
10°	510686
15°	503984
20°	470614
25°	353554
30°	249930
35°	88526
40°	46554
45°	49585
50°	51351
55°	52309
60°	52642
65°	51526
70°	48621
75°	45044
80°	39955
85°	32469

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 52648 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.8	10.3
10°-20°	1239.2	28.1
20°-30°	1364.8	31.0
30°-40°	521.4	11.8
40°-50°	246.2	5.6
50°-60°	244.8	5.6
60°-70°	196.0	4.4
70°-80°	112.6	2.6
80°-90°	30.6	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°	3055.8	69.3
0°-40°	3577.2	81.2
0°-60°	4068.2	92.3
0°-90°	4407.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4407.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4955	
5°	4790	452
15°	4456	1239
25°	2933	1365
35°	664	521
45°	321	246
55°	275	245
65°	199	196
75°	107	113
85°	26	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4955.2
2.5°	4903.5
5°	4789.7
7.5°	4694.8
10°	4603.0
12.5°	4525.3
15°	4455.5
17.5°	4286.8
20°	4047.5
22.5°	3531.3
25°	2932.7
27.5°	2552.9
30°	1981.0
32.5°	1279.6
35°	663.7
37.5°	358.5
40°	326.4
42.5°	324.0
45°	320.9
47.5°	313.8
50°	302.1
52.5°	288.7
55°	274.6
57.5°	258.9
60°	240.9
62.5°	220.5
65°	199.3
67.5°	175.7
70°	152.2
72.5°	128.7
75°	106.7
77.5°	83.9
80°	63.5
82.5°	44.7
85°	25.9
87.5°	10.2
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)