

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: P793650

Luminaire Tested: LER6D50D010-EC6DR7040509030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P793650
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-EC6DR7040509030-6LBDDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4540.7 lumens
Efficiency: N/A
Efficacy: 96.6 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

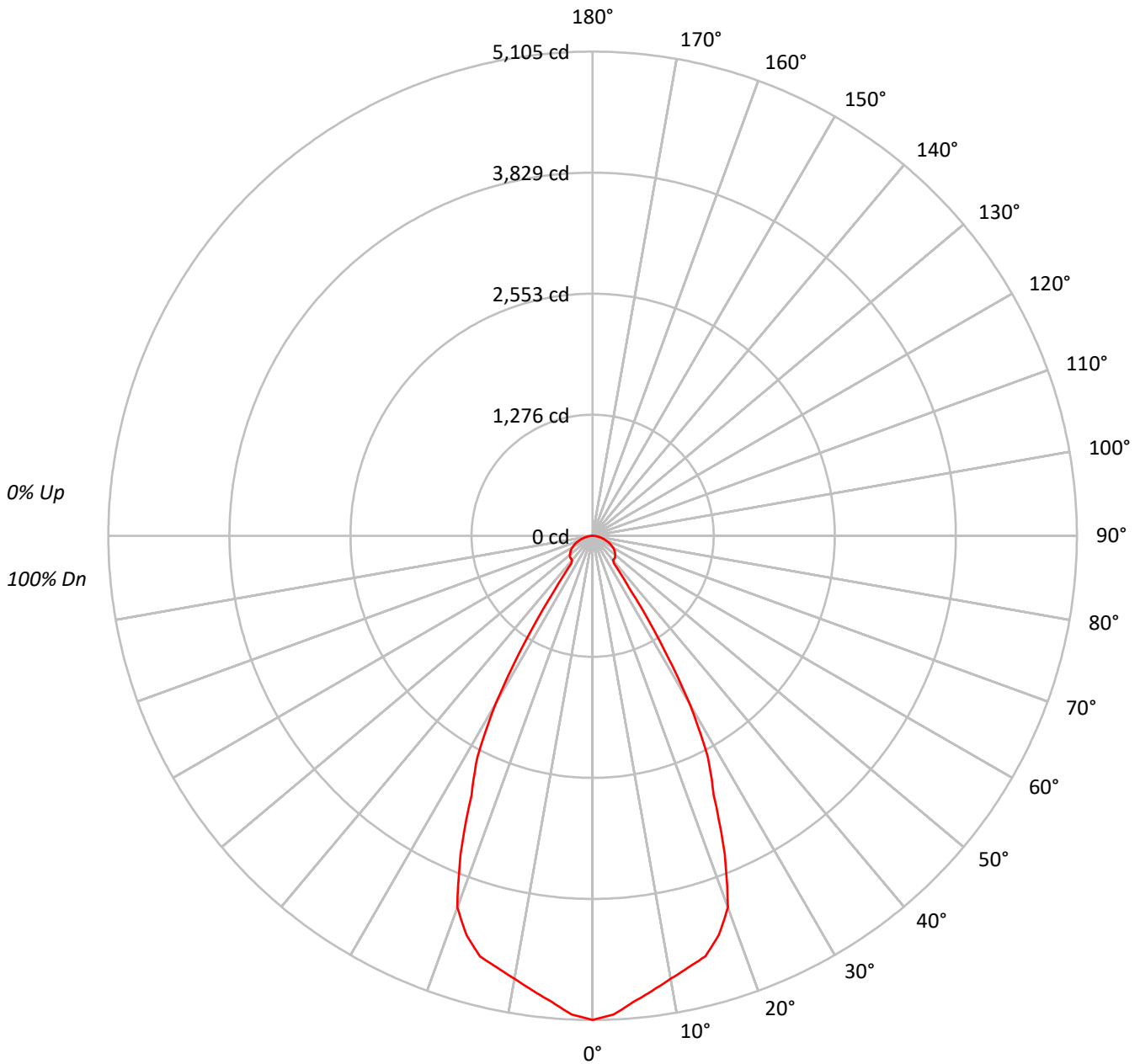
Input Watts (W): 47
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									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	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°	557776
5°	541196
10°	526118
15°	519209
20°	484835
25°	364236
30°	257487
35°	91207
40°	47952
45°	51084
50°	52898
55°	53890
60°	54215
65°	53077
70°	50091
75°	46394
80°	41213
85°	33472

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 54234 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.4	10.3
10°-20°	1276.6	28.1
20°-30°	1406.0	31.0
30°-40°	537.2	11.8
40°-50°	253.7	5.6
50°-60°	252.2	5.6
60°-70°	201.9	4.4
70°-80°	116.1	2.6
80°-90°	31.6	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°	3148.1	69.3
0°-40°	3685.3	81.2
0°-60°	4191.1	92.3
0°-90°	4540.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4540.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5105	
5°	4934	465
15°	4590	1277
25°	3021	1406
35°	684	537
45°	331	254
55°	283	252
65°	205	202
75°	110	116
85°	27	32
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5105.0
2.5°	5051.6
5°	4934.4
7.5°	4836.6
10°	4742.1
12.5°	4662.1
15°	4590.1
17.5°	4416.3
20°	4169.8
22.5°	3638.0
25°	3021.3
27.5°	2630.1
30°	2040.9
32.5°	1318.3
35°	683.8
37.5°	369.4
40°	336.2
42.5°	333.8
45°	330.6
47.5°	323.3
50°	311.2
52.5°	297.4
55°	282.9
57.5°	266.7
60°	248.1
62.5°	227.1
65°	205.3
67.5°	181.1
70°	156.8
72.5°	132.6
75°	109.9
77.5°	86.5
80°	65.5
82.5°	46.1
85°	26.7
87.5°	10.5
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)