

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: P793378

Luminaire Tested: LER6D50D010-EC6DR4040509040-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793378
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D50D010-EC6DR4040509040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6033.5 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
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

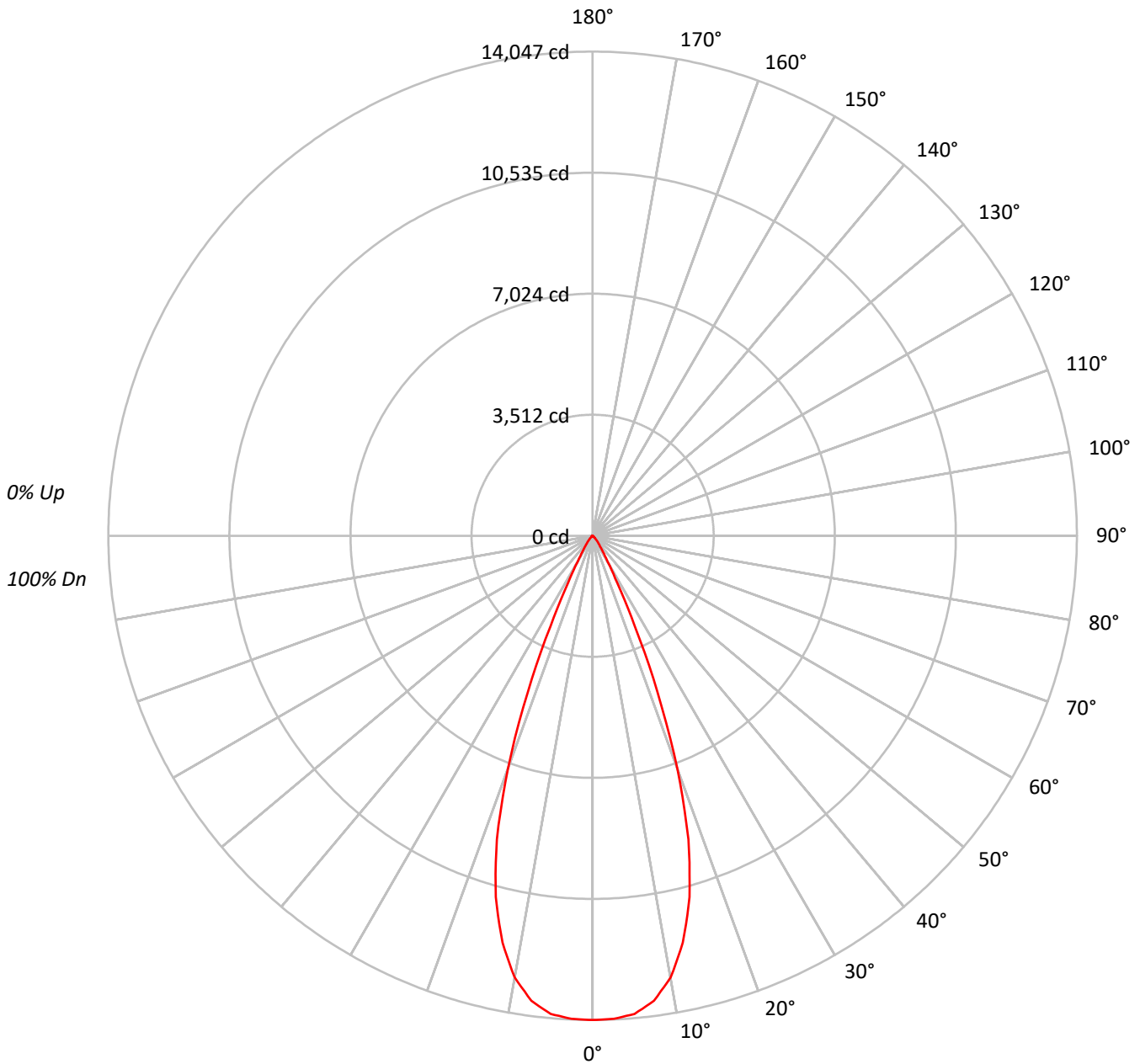


Downlight

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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	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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96					96														
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92					92														
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88					88														
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84					84														
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81					81														
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77					77														
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74					74														
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72					72														
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69					69														
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67					67														

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1534830
5°	1527377
10°	1443700
15°	1227332
20°	836514
25°	349033
30°	109750
35°	51006
40°	28212
45°	12933
50°	6272
55°	3448
60°	1792
65°	646
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12933 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1300.3	21.6
10°-20°	2913.1	48.3
20°-30°	1458.2	24.2
30°-40°	267.3	4.4
40°-50°	73.7	1.2
50°-60°	17.3	0.3
60°-70°	3.3	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	5671.7	94.0
0°-40°	5939.0	98.4
0°-60°	6030.1	99.9
0°-90°	6033.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6033.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14047	
5°	13926	###
15°	10850	2913
25°	2895	1458
35°	382	267
45°	84	74
55°	18	17
65°	2	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14047.4
2.5°	14026.9
5°	13926.0
7.5°	13604.3
10°	13012.6
12.5°	12090.3
15°	10850.3
17.5°	9237.8
20°	7194.4
22.5°	4904.9
25°	2895.2
27.5°	1530.5
30°	869.9
32.5°	562.1
35°	382.4
37.5°	273.3
40°	197.8
42.5°	135.4
45°	83.7
47.5°	53.3
50°	36.9
52.5°	26.3
55°	18.1
57.5°	11.5
60°	8.2
62.5°	4.9
65°	2.5
67.5°	1.6
70°	0.8
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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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— 0°-180°

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(END OF REPORT)