

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P793578

Luminaire Tested: LER6D50D010-EC6DR6040509050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P793578
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-EC6DR6040509050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5571.9 lumens
Efficiency: N/A
Efficacy: 118.6 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

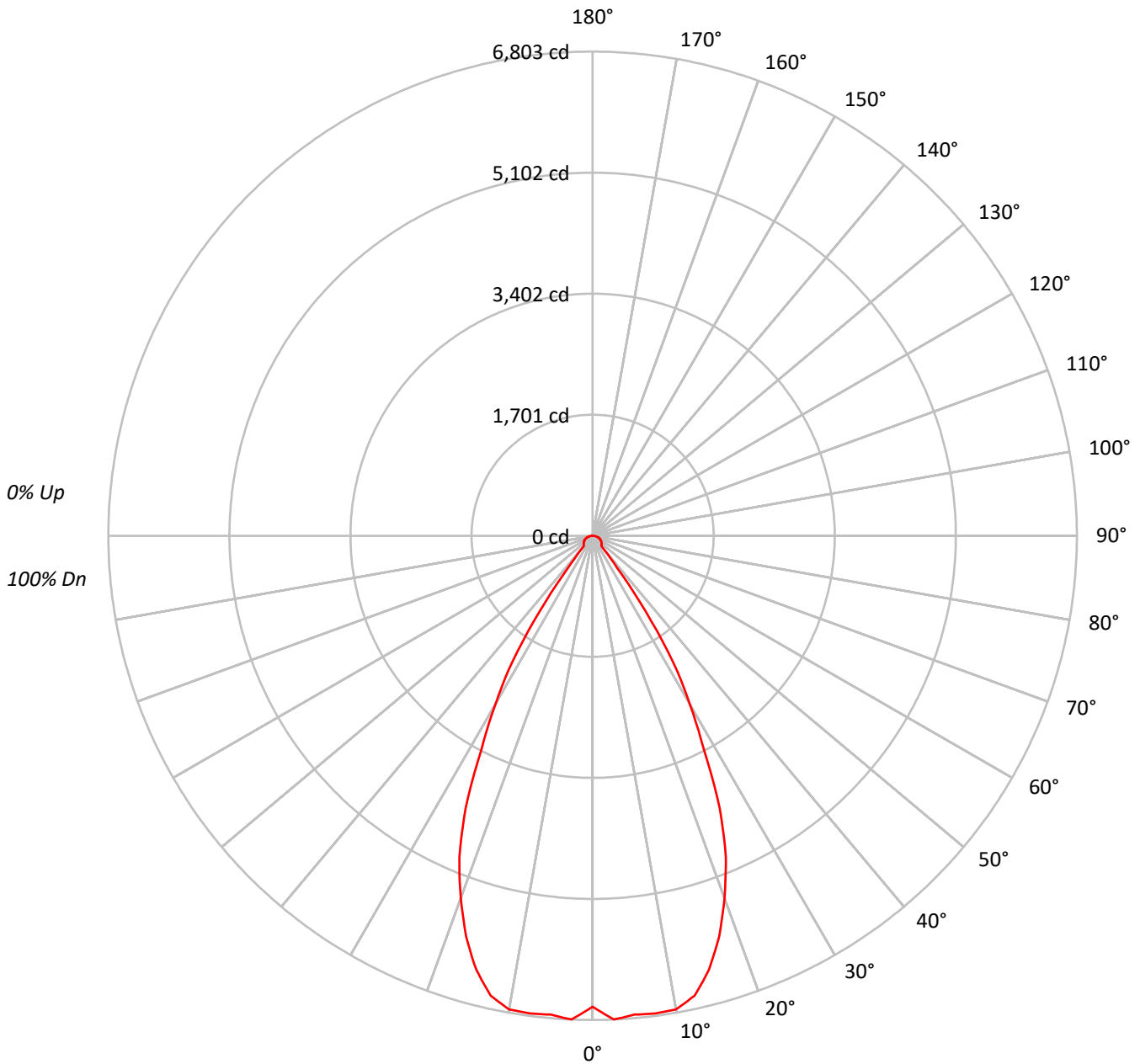


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	723011
5°	740788
10°	749742
15°	714231
20°	629734
25°	509349
30°	344527
35°	172651
40°	27998
45°	27412
50°	27962
55°	28383
60°	29173
65°	29835
70°	30540
75°	30901
80°	29824
85°	24822

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 30901 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	645.5	11.6
10°-20°	1746.5	31.3
20°-30°	1879.1	33.7
30°-40°	816.8	14.7
40°-50°	137.2	2.5
50°-60°	133.4	2.4
60°-70°	114.1	2.0
70°-80°	76.4	1.4
80°-90°	22.8	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°	4271.2	76.7
0°-40°	5088.0	91.3
0°-60°	5358.6	96.2
0°-90°	5571.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5571.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6617	
5°	6754	646
15°	6314	1747
25°	4225	1879
35°	1294	817
45°	177	137
55°	149	133
65°	115	114
75°	73	76
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6617.3
2.5°	6803.3
5°	6754.2
7.5°	6769.7
10°	6757.7
12.5°	6618.2
15°	6314.2
17.5°	5906.0
20°	5416.0
22.5°	4891.5
25°	4225.0
27.5°	3379.3
30°	2730.8
32.5°	2104.7
35°	1294.4
37.5°	553.7
40°	196.3
42.5°	180.8
45°	177.4
47.5°	171.4
50°	164.5
52.5°	156.7
55°	149.0
57.5°	141.2
60°	133.5
62.5°	124.9
65°	115.4
67.5°	105.9
70°	95.6
72.5°	84.4
75°	73.2
77.5°	60.3
80°	47.4
82.5°	33.6
85°	19.8
87.5°	6.9
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)