

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: P793499

Luminaire Tested: LER6D50D010-EC6DR5540509027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D50D010-EC6DR5540509027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5647.2 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87
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

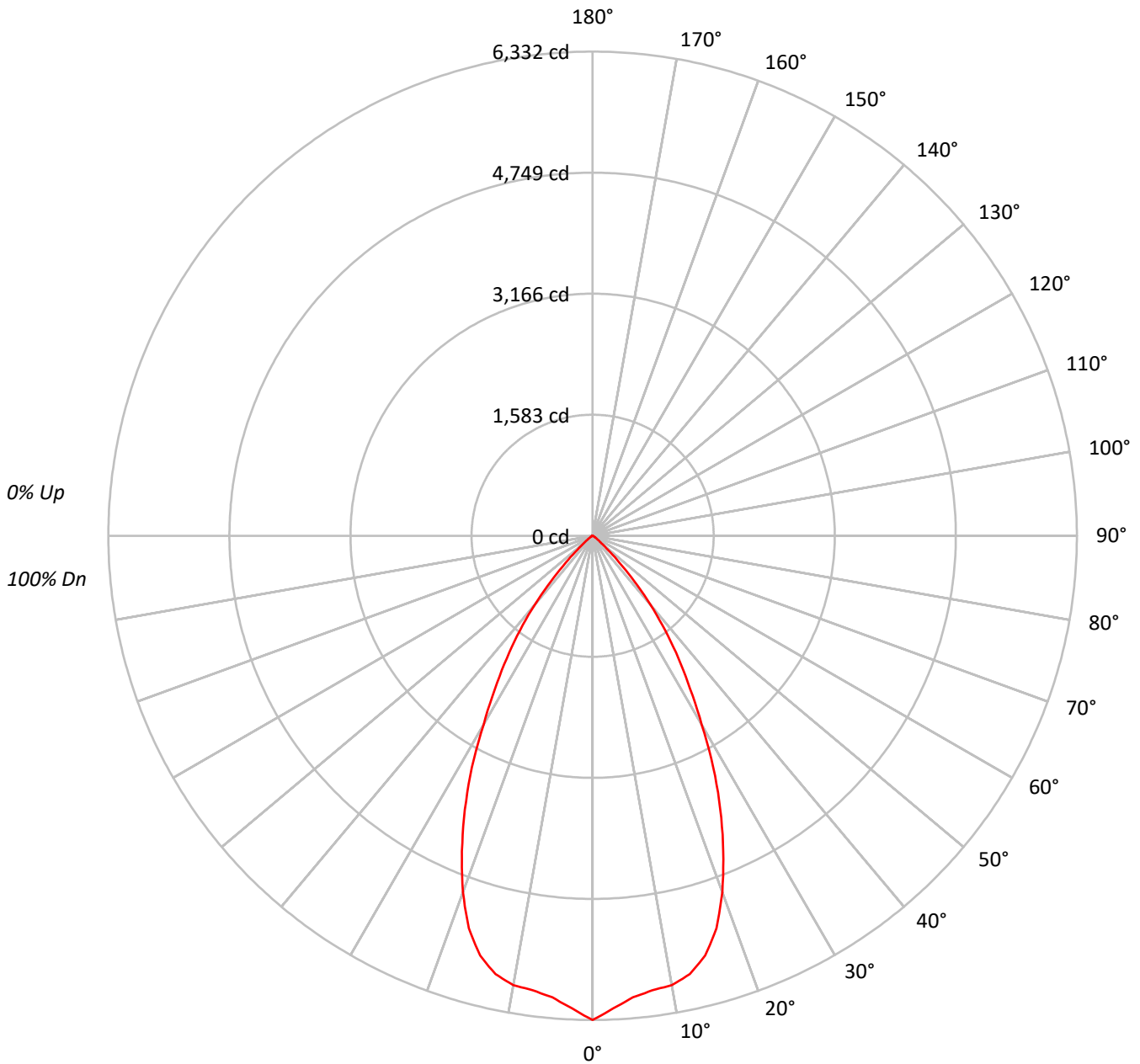


Downlight

TEST NUMBER: P793499

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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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94																			
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87																			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81																			
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75																			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70																			
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65																			
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62	61																			
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57																			
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54																			
10	72	62	56	52	71	61	56	52	61	56	52	60	55	52	59	55	52	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	691894
5°	664408
10°	661905
15°	642889
20°	576446
25°	476401
30°	359869
35°	260923
40°	166991
45°	76270
50°	24936
55°	10763
60°	4633
65°	620
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 76270 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.4	10.2
10°-20°	1573.2	27.9
20°-30°	1792.8	31.7
30°-40°	1220.5	21.6
40°-50°	420.6	7.4
50°-60°	58.1	1.0
60°-70°	5.6	0.1
70°-80°	0.0	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°	3942.4	69.8
0°-40°	5162.9	91.4
0°-60°	5641.6	99.9
0°-90°	5647.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5647.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6332	
5°	6058	576
15°	5684	1573
25°	3952	1793
35°	1956	1220
45°	494	421
55°	56	58
65°	2	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6332.5
2.5°	6187.3
5°	6057.8
7.5°	5994.3
10°	5966.0
12.5°	5871.8
15°	5683.5
17.5°	5384.6
20°	4957.7
22.5°	4464.9
25°	3951.7
27.5°	3417.3
30°	2852.4
32.5°	2373.7
35°	1956.2
37.5°	1559.2
40°	1170.8
42.5°	811.4
45°	493.6
47.5°	266.0
50°	146.7
52.5°	87.1
55°	56.5
57.5°	36.1
60°	21.2
62.5°	9.4
65°	2.4
67.5°	0.8
70°	0.0
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

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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)