

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: P793655

Luminaire Tested: LER6D50D010-EC6DR7040509035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P793655
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-EC6DR7040509035-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3417.9 lumens
Efficiency: N/A
Efficacy: 72.7 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

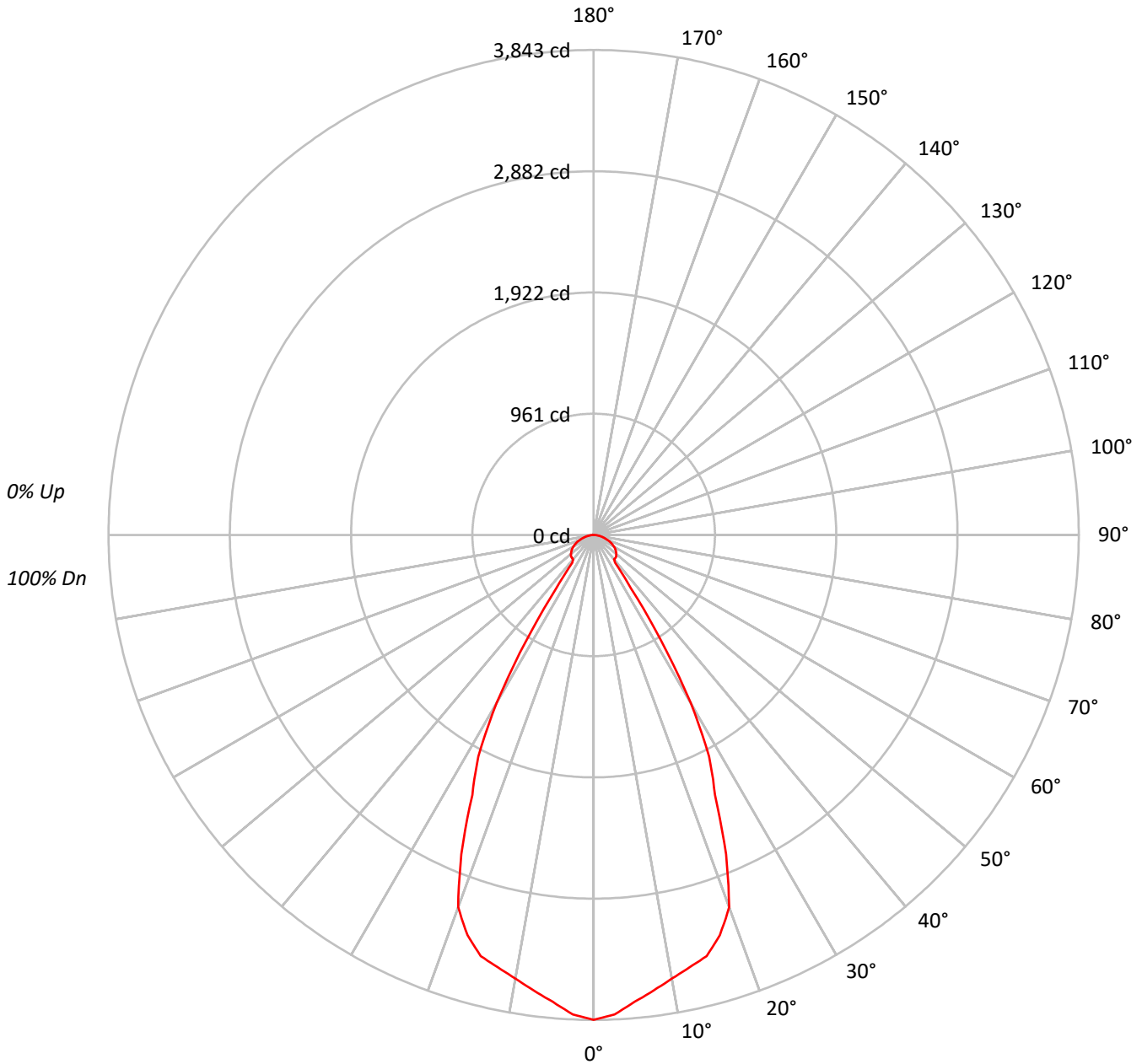
Input Watts (W): 47
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	419856
5°	407377
10°	396023
15°	390824
20°	364946
25°	274168
30°	193812
35°	68652
40°	36100
45°	38444
50°	39809
55°	40555
60°	40820
65°	39943
70°	37696
75°	34912
80°	31020
85°	25198

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 40833 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.3	10.3
10°-20°	961.0	28.1
20°-30°	1058.4	31.0
30°-40°	404.4	11.8
40°-50°	190.9	5.6
50°-60°	189.8	5.6
60°-70°	152.0	4.4
70°-80°	87.3	2.6
80°-90°	23.8	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°	2369.7	69.3
0°-40°	2774.0	81.2
0°-60°	3154.8	92.3
0°-90°	3417.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3417.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3843	
5°	3714	350
15°	3455	961
25°	2274	1058
35°	515	404
45°	249	191
55°	213	190
65°	154	152
75°	83	87
85°	20	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3842.7
2.5°	3802.5
5°	3714.3
7.5°	3640.7
10°	3569.5
12.5°	3509.3
15°	3455.1
17.5°	3324.3
20°	3138.7
22.5°	2738.4
25°	2274.2
27.5°	1979.7
30°	1536.2
32.5°	992.3
35°	514.7
37.5°	278.0
40°	253.1
42.5°	251.3
45°	248.8
47.5°	243.4
50°	234.2
52.5°	223.9
55°	212.9
57.5°	200.8
60°	186.8
62.5°	171.0
65°	154.5
67.5°	136.3
70°	118.0
72.5°	99.8
75°	82.7
77.5°	65.1
80°	49.3
82.5°	34.7
85°	20.1
87.5°	7.9
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)