

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: P793640

Luminaire Tested: LER6D50D010-EC6DR7040509027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P793640
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-EC6DR7040509027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5642.7 lumens
Efficiency: N/A
Efficacy: 120.1 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

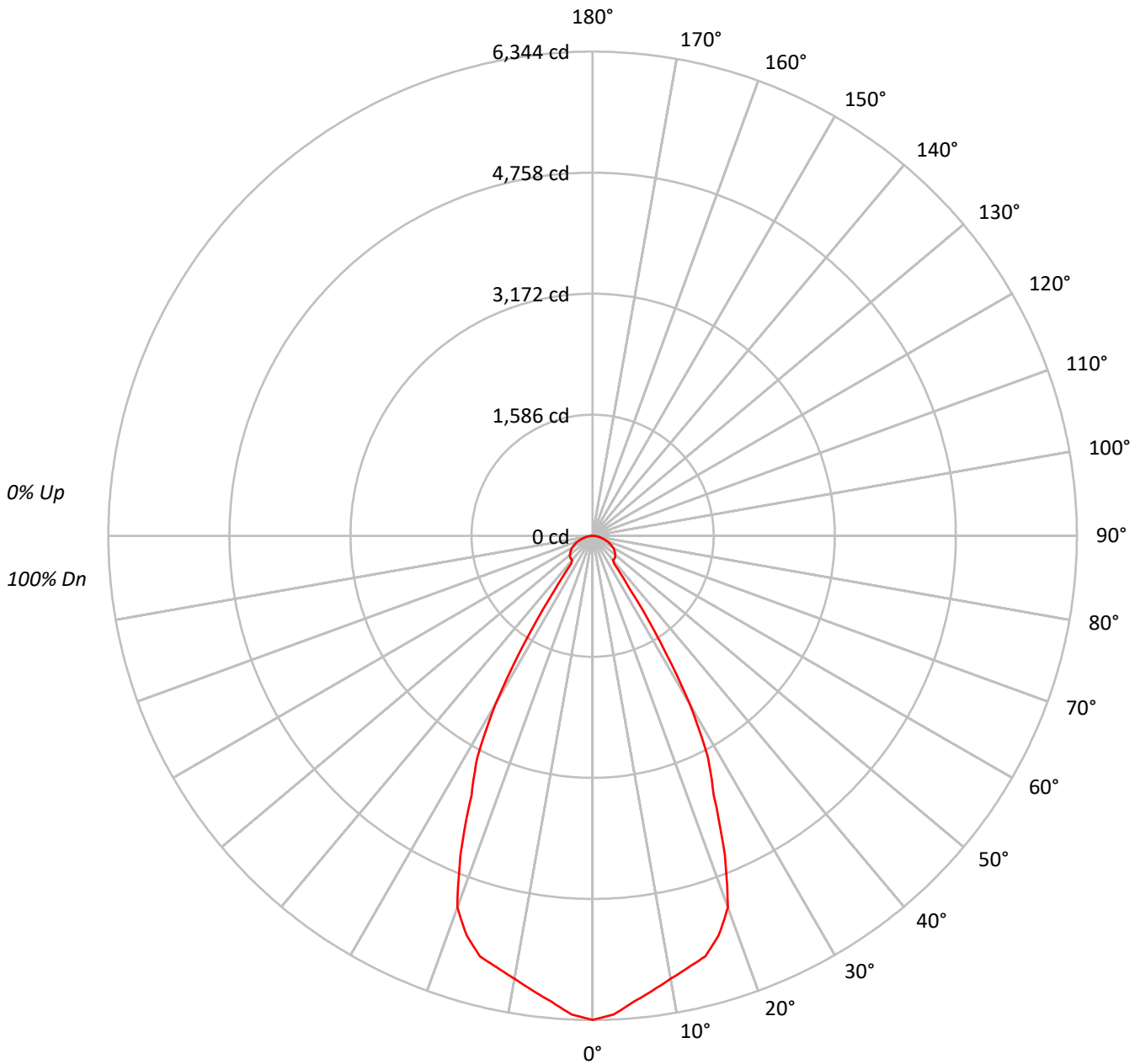
Input Watts (W): 47
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	693150
5°	672546
10°	653806
15°	645231
20°	602514
25°	452639
30°	319976
35°	113335
40°	59591
45°	63476
50°	65731
55°	66976
60°	67392
65°	65952
70°	62262
75°	57666
80°	51217
85°	41495

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 67411 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	578.4	10.3
10°-20°	1586.5	28.1
20°-30°	1747.3	31.0
30°-40°	667.6	11.8
40°-50°	315.2	5.6
50°-60°	313.4	5.6
60°-70°	250.9	4.4
70°-80°	144.2	2.6
80°-90°	39.2	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°	3912.2	69.3
0°-40°	4579.7	81.2
0°-60°	5208.4	92.3
0°-90°	5642.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5642.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6344	
5°	6132	578
15°	5704	1586
25°	3755	1747
35°	850	668
45°	411	315
55°	352	313
65°	255	251
75°	137	144
85°	33	39
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6344.0
2.5°	6277.7
5°	6132.0
7.5°	6010.5
10°	5893.0
12.5°	5793.6
15°	5704.2
17.5°	5488.2
20°	5181.9
22.5°	4520.9
25°	3754.6
27.5°	3268.4
30°	2536.2
32.5°	1638.2
35°	849.7
37.5°	459.0
40°	417.8
42.5°	414.8
45°	410.8
47.5°	401.8
50°	386.7
52.5°	369.6
55°	351.6
57.5°	331.5
60°	308.4
62.5°	282.2
65°	255.1
67.5°	225.0
70°	194.9
72.5°	164.7
75°	136.6
77.5°	107.5
80°	81.4
82.5°	57.3
85°	33.1
87.5°	13.1
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)