

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: P793553

Luminaire Tested: LER6D50D010-EC6DR6040509030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P793553
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-EC6DR6040509030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6064.1 lumens
Efficiency: N/A
Efficacy: 129.0 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

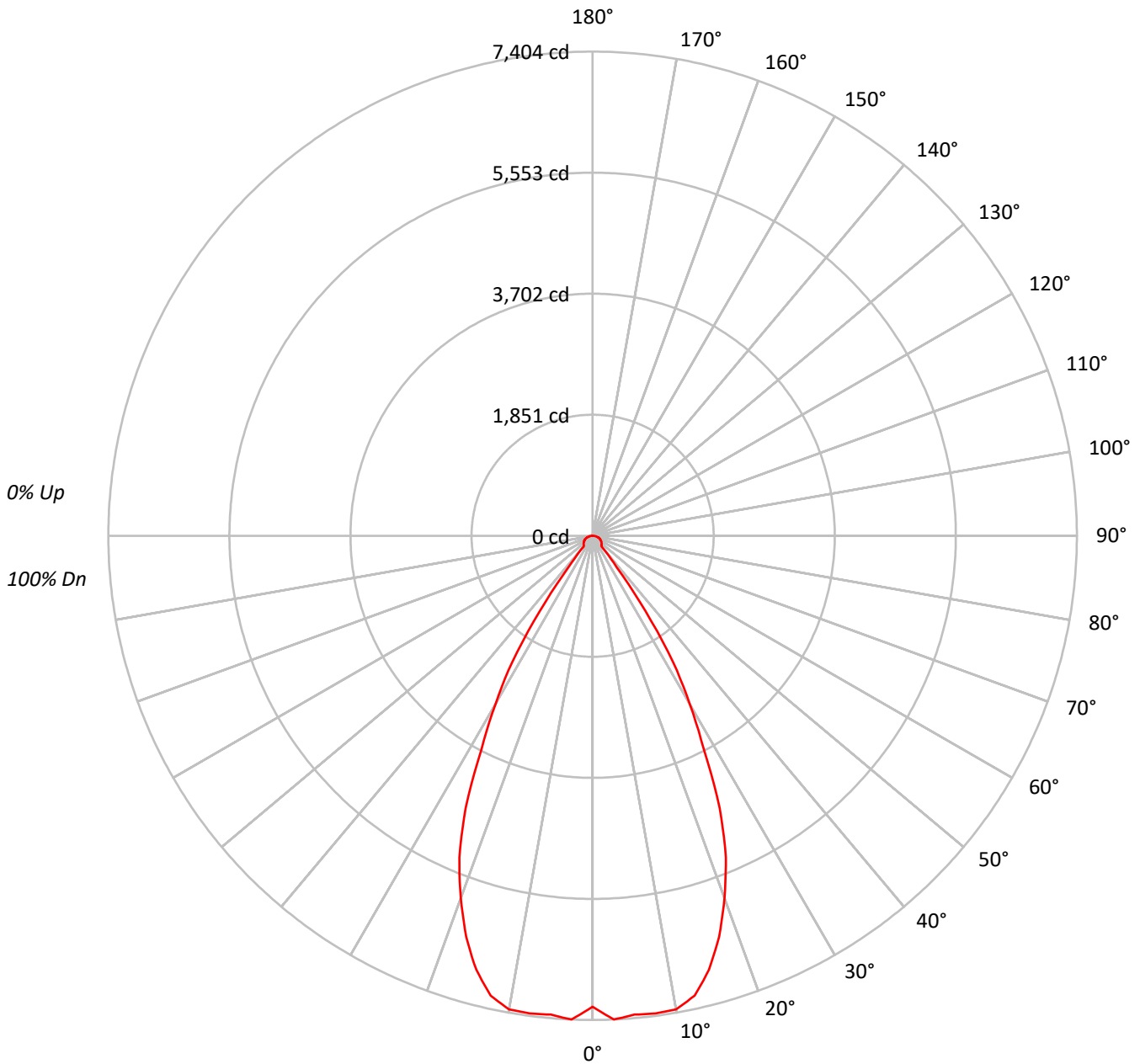
Input Watts (W): 47
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	786885
5°	806233
10°	815965
15°	777315
20°	685359
25°	554340
30°	374958
35°	187896
40°	30480
45°	29837
50°	30426
55°	30878
60°	31751
65°	32472
70°	33224
75°	33645
80°	32404
85°	27078

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 33645 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	702.6	11.6
10°-20°	1900.8	31.3
20°-30°	2045.1	33.7
30°-40°	889.0	14.7
40°-50°	149.3	2.5
50°-60°	145.2	2.4
60°-70°	124.2	2.0
70°-80°	83.1	1.4
80°-90°	24.9	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°	4648.5	76.7
0°-40°	5537.5	91.3
0°-60°	5832.0	96.2
0°-90°	6064.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6064.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7202	
5°	7351	703
15°	6872	1901
25°	4598	2045
35°	1409	889
45°	193	149
55°	162	145
65°	126	124
75°	80	83
85°	22	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7201.9
2.5°	7404.3
5°	7350.9
7.5°	7367.8
10°	7354.6
12.5°	7202.8
15°	6871.9
17.5°	6427.7
20°	5894.4
22.5°	5323.6
25°	4598.2
27.5°	3677.8
30°	2972.0
32.5°	2290.6
35°	1408.7
37.5°	602.7
40°	213.7
42.5°	196.8
45°	193.1
47.5°	186.5
50°	179.0
52.5°	170.6
55°	162.1
57.5°	153.7
60°	145.3
62.5°	135.9
65°	125.6
67.5°	115.3
70°	104.0
72.5°	91.9
75°	79.7
77.5°	65.6
80°	51.5
82.5°	36.6
85°	21.6
87.5°	7.5
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)