

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: P766848

Luminaire Tested: LD6D45BD010-EU6DR6040509024-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P766848
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: LD6D45BD010-EU6DR6040509024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3362.6 lumens
Efficiency: N/A
Efficacy: 86.9 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

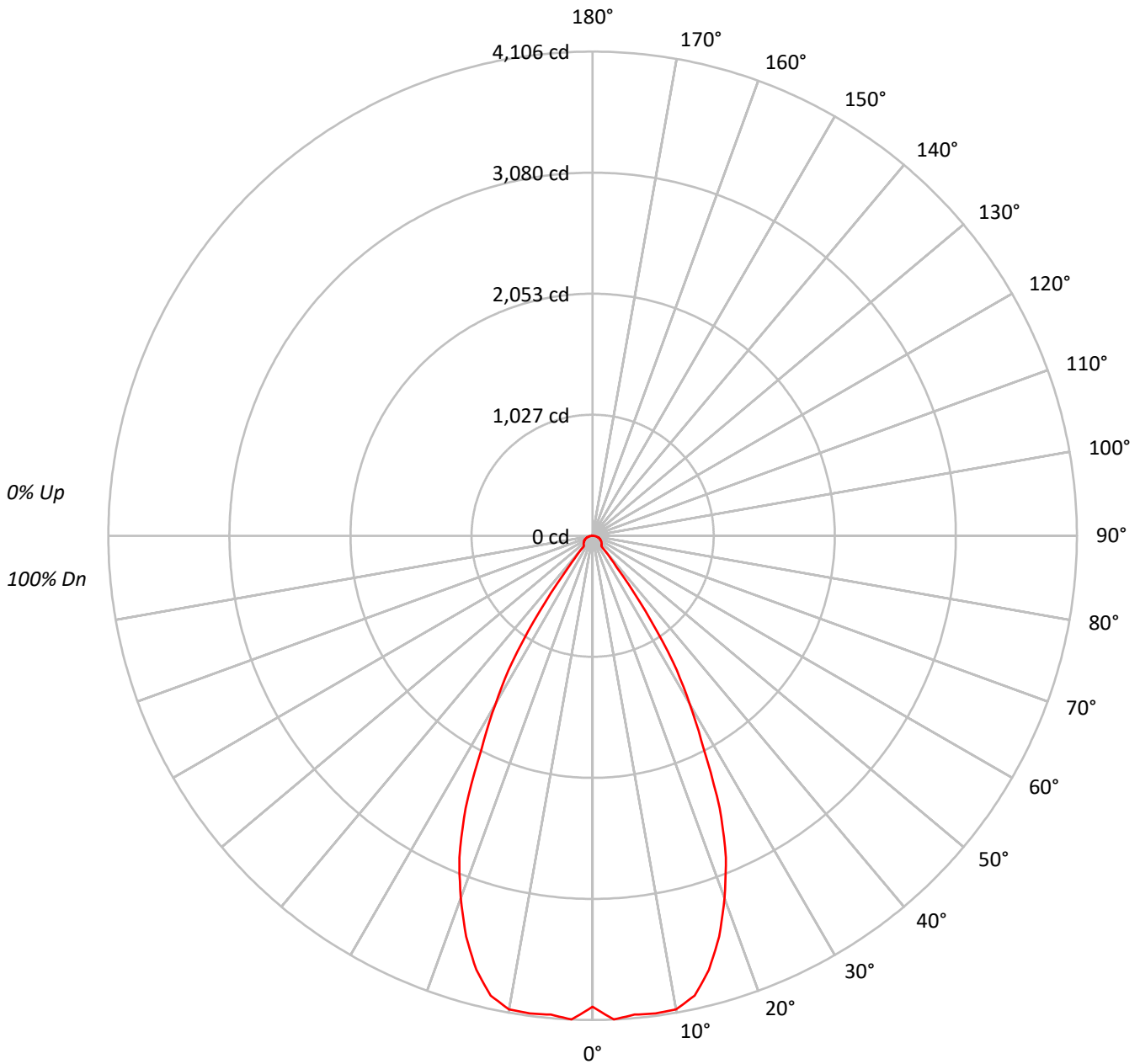
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	436333
5°	447059
10°	452461
15°	431025
20°	380038
25°	307381
30°	207917
35°	104185
40°	16902
45°	16549
50°	16879
55°	17125
60°	17613
65°	17994
70°	18433
75°	18659
80°	17995
85°	15044

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 18659 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.6	11.6
10°-20°	1054.0	31.3
20°-30°	1134.0	33.7
30°-40°	492.9	14.7
40°-50°	82.8	2.5
50°-60°	80.5	2.4
60°-70°	68.9	2.0
70°-80°	46.1	1.4
80°-90°	13.8	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°	2577.6	76.7
0°-40°	3070.6	91.3
0°-60°	3233.9	96.2
0°-90°	3362.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3362.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3994	
5°	4076	390
15°	3810	1054
25°	2550	1134
35°	781	493
45°	107	83
55°	90	81
65°	70	69
75°	44	46
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3993.5
2.5°	4105.7
5°	4076.1
7.5°	4085.4
10°	4078.2
12.5°	3994.0
15°	3810.5
17.5°	3564.2
20°	3268.5
22.5°	2952.0
25°	2549.7
27.5°	2039.3
30°	1648.0
32.5°	1270.2
35°	781.1
37.5°	334.2
40°	118.5
42.5°	109.1
45°	107.1
47.5°	103.4
50°	99.3
52.5°	94.6
55°	89.9
57.5°	85.2
60°	80.6
62.5°	75.4
65°	69.6
67.5°	63.9
70°	57.7
72.5°	50.9
75°	44.2
77.5°	36.4
80°	28.6
82.5°	20.3
85°	12.0
87.5°	4.2
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)