

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: P766616

Luminaire Tested: LD6D45BD010-EU6DR4540509027-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P766616
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D45BD010-EU6DR4540509027-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4674.9 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

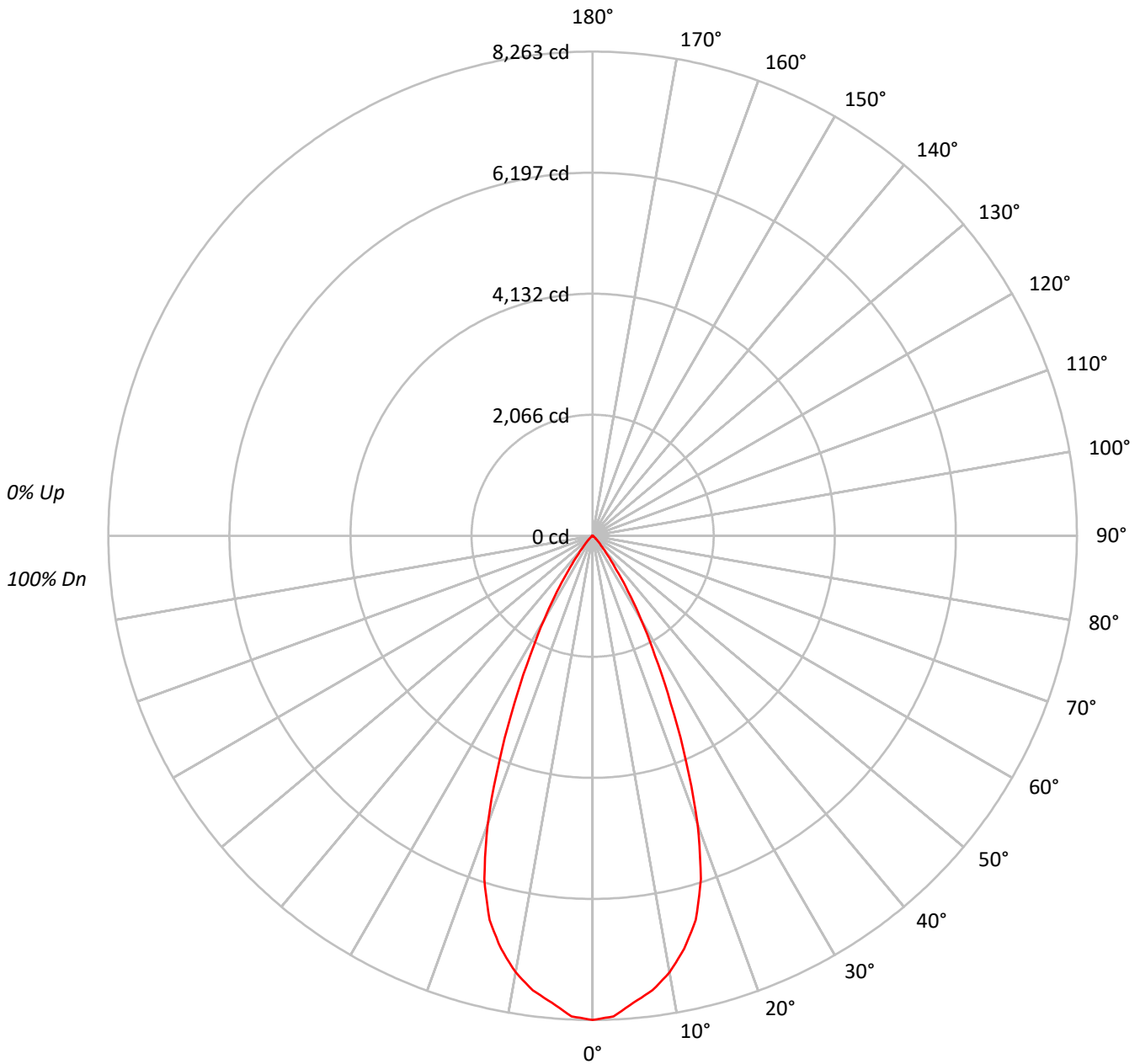
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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			100																
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95			95																
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90			90																
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85			85																
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81			81																
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77			77																
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73			73																
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69			69																
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66			66																
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63			63																
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60			60																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	902833
5°	877118
10°	839164
15°	768017
20°	609305
25°	380402
30°	209658
35°	94142
40°	37084
45°	17476
50°	8278
55°	4324
60°	2120
65°	491
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17476 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	751.4	16.1
10°-20°	1849.3	39.6
20°-30°	1464.5	31.3
30°-40°	487.7	10.4
40°-50°	96.8	2.1
50°-60°	21.9	0.5
60°-70°	3.1	0.1
70°-80°	0.1	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°	4065.2	87.0
0°-40°	4552.9	97.4
0°-60°	4671.6	99.9
0°-90°	4674.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4674.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8263	
5°	7997	751
15°	6790	1849
25°	3155	1464
35°	706	488
45°	113	97
55°	23	22
65°	2	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8263.1
2.5°	8209.1
5°	7997.2
7.5°	7822.4
10°	7563.7
12.5°	7219.3
15°	6789.7
17.5°	6143.7
20°	5240.3
22.5°	4164.0
25°	3155.4
27.5°	2310.5
30°	1661.8
32.5°	1130.2
35°	705.8
37.5°	418.5
40°	260.0
42.5°	170.9
45°	113.1
47.5°	72.8
50°	48.7
52.5°	32.5
55°	22.7
57.5°	14.9
60°	9.7
62.5°	5.2
65°	1.9
67.5°	0.6
70°	0.6
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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