

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: P773181

Luminaire Tested: LD6D85BD010-EU6DR6570959030-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773181
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6570959030-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9054.3 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

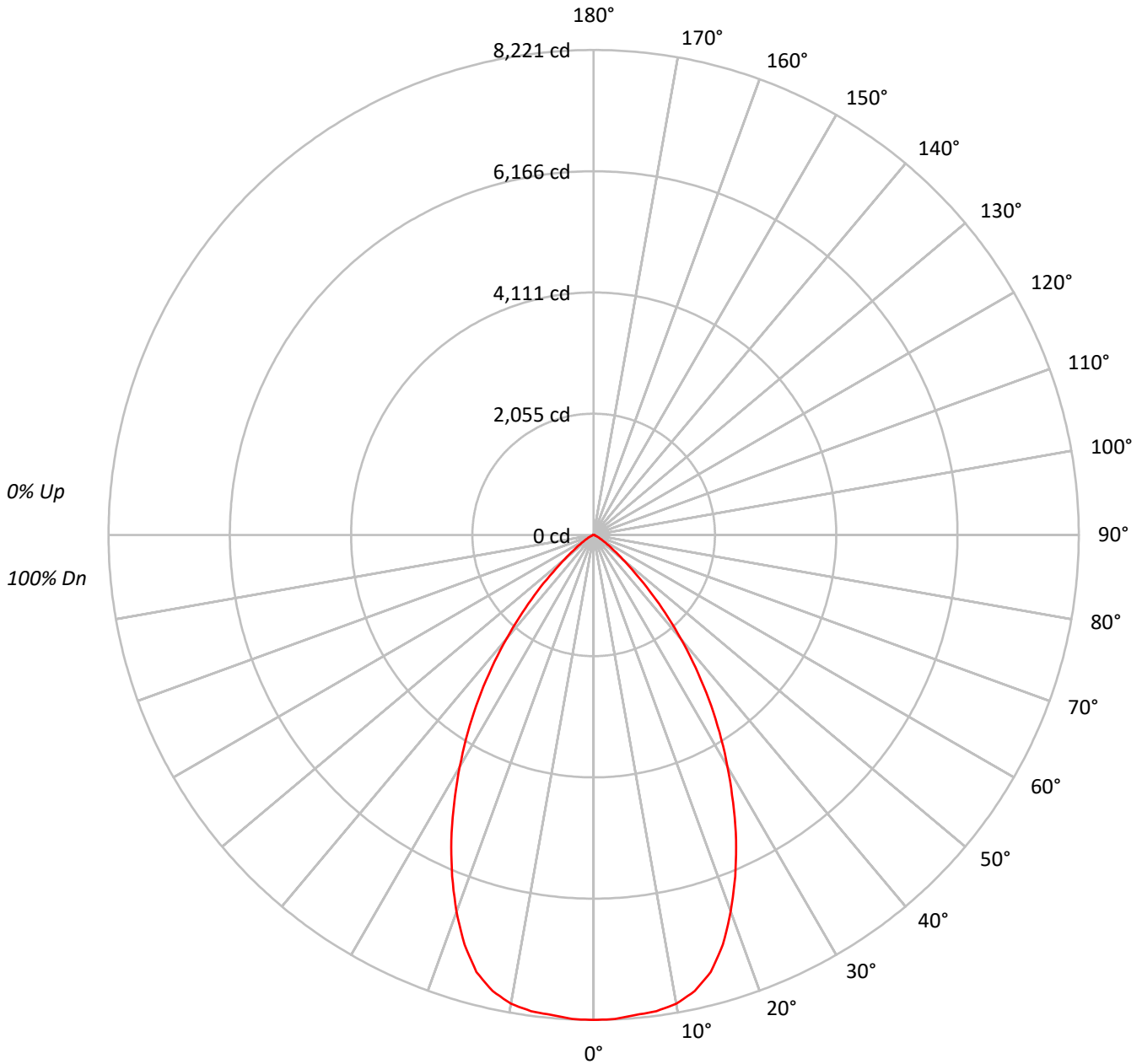
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93	
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85	
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78	
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72	
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66	
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61	
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56	
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52	
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49	
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	480144
5°	478930
10°	478525
15°	463772
20°	422205
25°	367929
30°	306011
35°	242470
40°	175003
45°	110562
50°	57633
55°	30629
60°	16084
65°	8845
70°	3706
75°	4084
80°	2859
85°	2412

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 110562 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	777.5	8.6
10°-20°	2129.0	23.5
20°-30°	2602.3	28.7
30°-40°	2111.5	23.3
40°-50°	1052.2	11.6
50°-60°	293.5	3.2
60°-70°	66.7	0.7
70°-80°	17.3	0.2
80°-90°	4.4	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°	5508.8	60.8
0°-40°	7620.2	84.2
0°-60°	8965.9	99.0
0°-90°	9054.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9054.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8221	
5°	8169	777
15°	7670	2129
25°	5710	2602
35°	3401	2111
45°	1339	1052
55°	301	293
65°	64	67
75°	18	17
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8221.1
2.5°	8215.1
5°	8169.1
7.5°	8142.6
10°	8068.9
12.5°	7919.1
15°	7670.2
17.5°	7281.2
20°	6793.1
22.5°	6266.4
25°	5709.5
27.5°	5113.9
30°	4537.6
32.5°	3968.6
35°	3400.8
37.5°	2834.2
40°	2295.4
42.5°	1790.4
45°	1338.6
47.5°	932.6
50°	634.3
52.5°	437.3
55°	300.8
57.5°	203.0
60°	137.7
62.5°	95.4
65°	64.0
67.5°	32.6
70°	21.7
72.5°	20.5
75°	18.1
77.5°	12.1
80°	8.5
82.5°	6.0
85°	3.6
87.5°	2.4
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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