

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: P773168

Luminaire Tested: LD6D85BD010-EU6DR6570959027-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773168
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-EU6DR6570959027-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

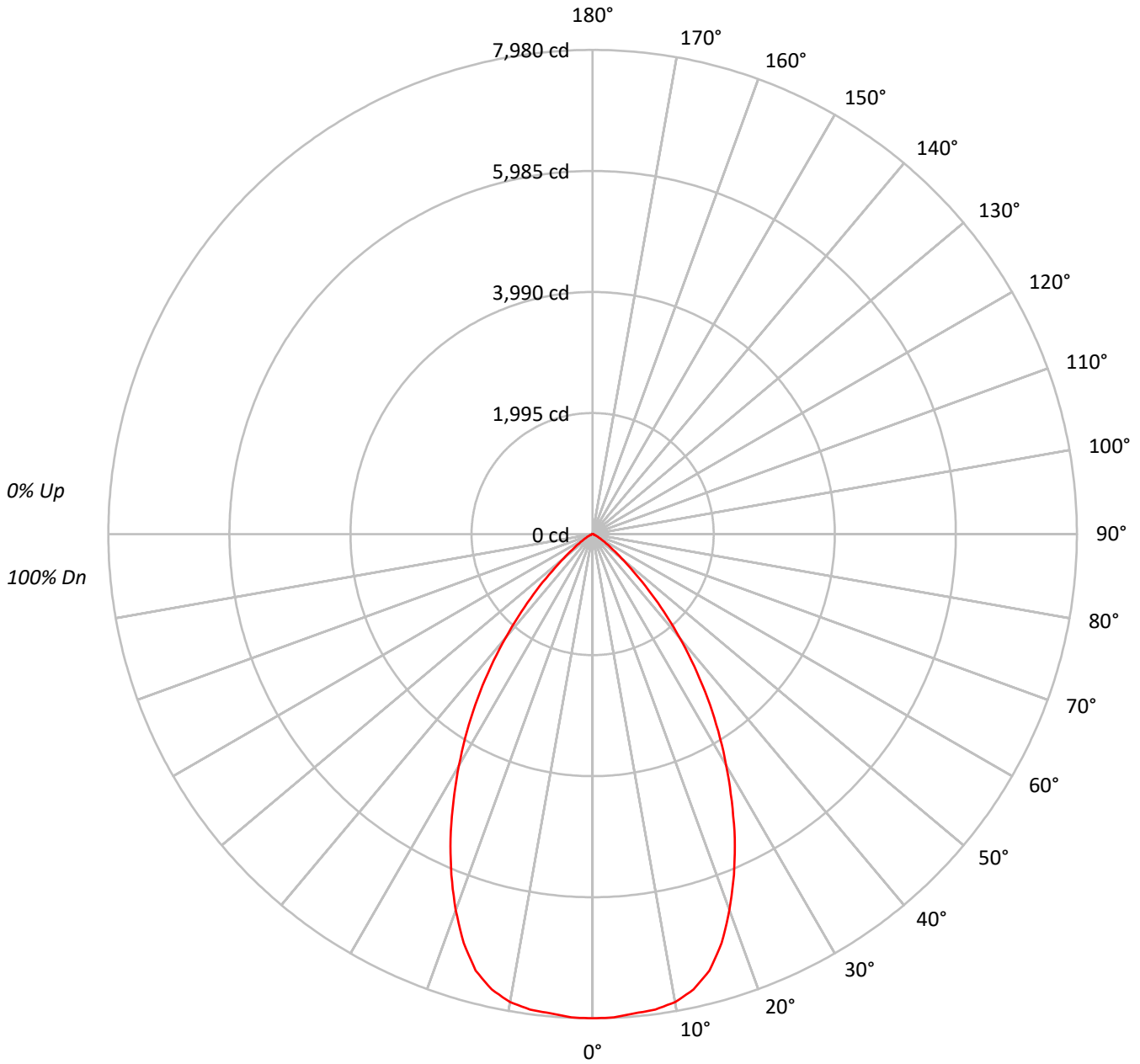
Lumens per Lamp: N/A
Luminaire Lumens: 8788.8 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

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°	466057
5°	464883
10°	464487
15°	450168
20°	409825
25°	357135
30°	297035
35°	235355
40°	169872
45°	107316
50°	55934
55°	29733
60°	15617
65°	8596
70°	3603
75°	3972
80°	2758
85°	2345

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 107316 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	754.6	8.6
10°-20°	2066.5	23.5
20°-30°	2526.0	28.7
30°-40°	2049.5	23.3
40°-50°	1021.3	11.6
50°-60°	284.9	3.2
60°-70°	64.8	0.7
70°-80°	16.8	0.2
80°-90°	4.3	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°	5347.2	60.8
0°-40°	7396.7	84.2
0°-60°	8702.9	99.0
0°-90°	8788.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8788.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7980	
5°	7930	755
15°	7445	2067
25°	5542	2526
35°	3301	2050
45°	1299	1021
55°	292	285
65°	62	65
75°	18	17
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7979.9
2.5°	7974.1
5°	7929.5
7.5°	7903.7
10°	7832.2
12.5°	7686.8
15°	7445.2
17.5°	7067.6
20°	6593.9
22.5°	6082.6
25°	5542.0
27.5°	4963.9
30°	4404.5
32.5°	3852.2
35°	3301.0
37.5°	2751.1
40°	2228.1
42.5°	1737.9
45°	1299.3
47.5°	905.3
50°	615.6
52.5°	424.5
55°	292.0
57.5°	197.0
60°	133.7
62.5°	92.6
65°	62.2
67.5°	31.7
70°	21.1
72.5°	19.9
75°	17.6
77.5°	11.7
80°	8.2
82.5°	5.9
85°	3.5
87.5°	2.3
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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