

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: P773088

Luminaire Tested: LD6D85BD010-EU6DR6070959024-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773088
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: LD6D85BD010-EU6DR6070959024-6LBSQW1B
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: 7055.6 lumens
Efficiency: N/A
Efficacy: 80.5 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

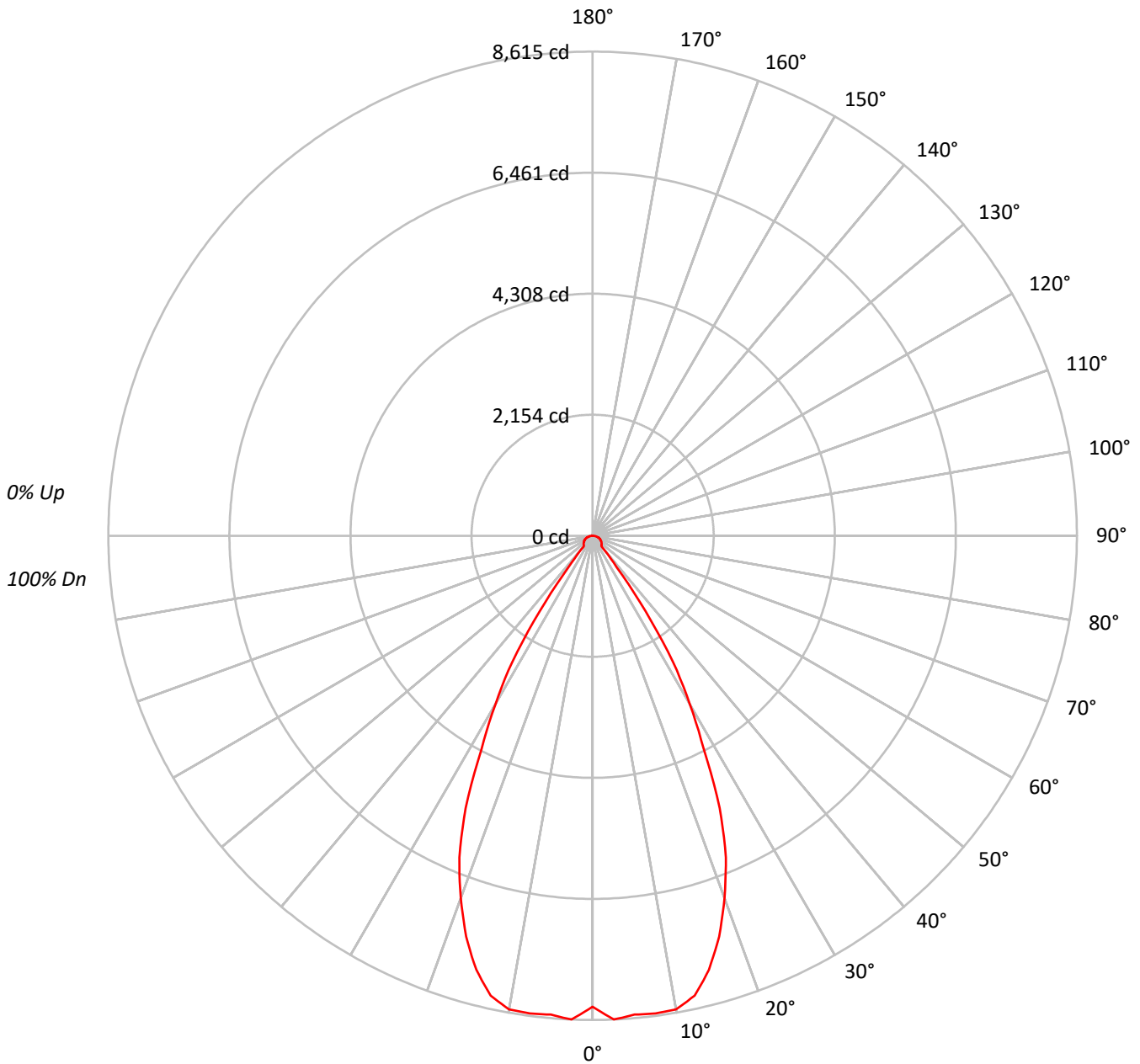
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	915540
5°	938055
10°	949389
15°	904423
20°	797423
25°	644974
30°	436273
35°	218614
40°	35458
45°	34705
50°	35407
55°	35946
60°	36930
65°	37772
70°	38654
75°	39133
80°	37752
85°	31466

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 39133 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	817.4	11.6
10°-20°	2211.6	31.3
20°-30°	2379.5	33.7
30°-40°	1034.3	14.7
40°-50°	173.7	2.5
50°-60°	168.9	2.4
60°-70°	144.4	2.0
70°-80°	96.7	1.4
80°-90°	28.9	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°	5408.6	76.7
0°-40°	6442.9	91.3
0°-60°	6785.5	96.2
0°-90°	7055.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7055.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8379	
5°	8553	817
15°	7996	2212
25°	5350	2380
35°	1639	1034
45°	225	174
55°	189	169
65°	146	144
75°	93	97
85°	25	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8379.4
2.5°	8615.0
5°	8552.8
7.5°	8572.4
10°	8557.2
12.5°	8380.5
15°	7995.6
17.5°	7478.7
20°	6858.2
22.5°	6194.1
25°	5350.0
27.5°	4279.1
30°	3458.0
32.5°	2665.2
35°	1639.0
37.5°	701.2
40°	248.6
42.5°	229.0
45°	224.6
47.5°	217.0
50°	208.3
52.5°	198.5
55°	188.7
57.5°	178.8
60°	169.0
62.5°	158.1
65°	146.1
67.5°	134.1
70°	121.0
72.5°	106.9
75°	92.7
77.5°	76.3
80°	60.0
82.5°	42.5
85°	25.1
87.5°	8.7
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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