

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: P773192

Luminaire Tested: LD6D85BD010-EU6DR6570959030-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773192
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6570959030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

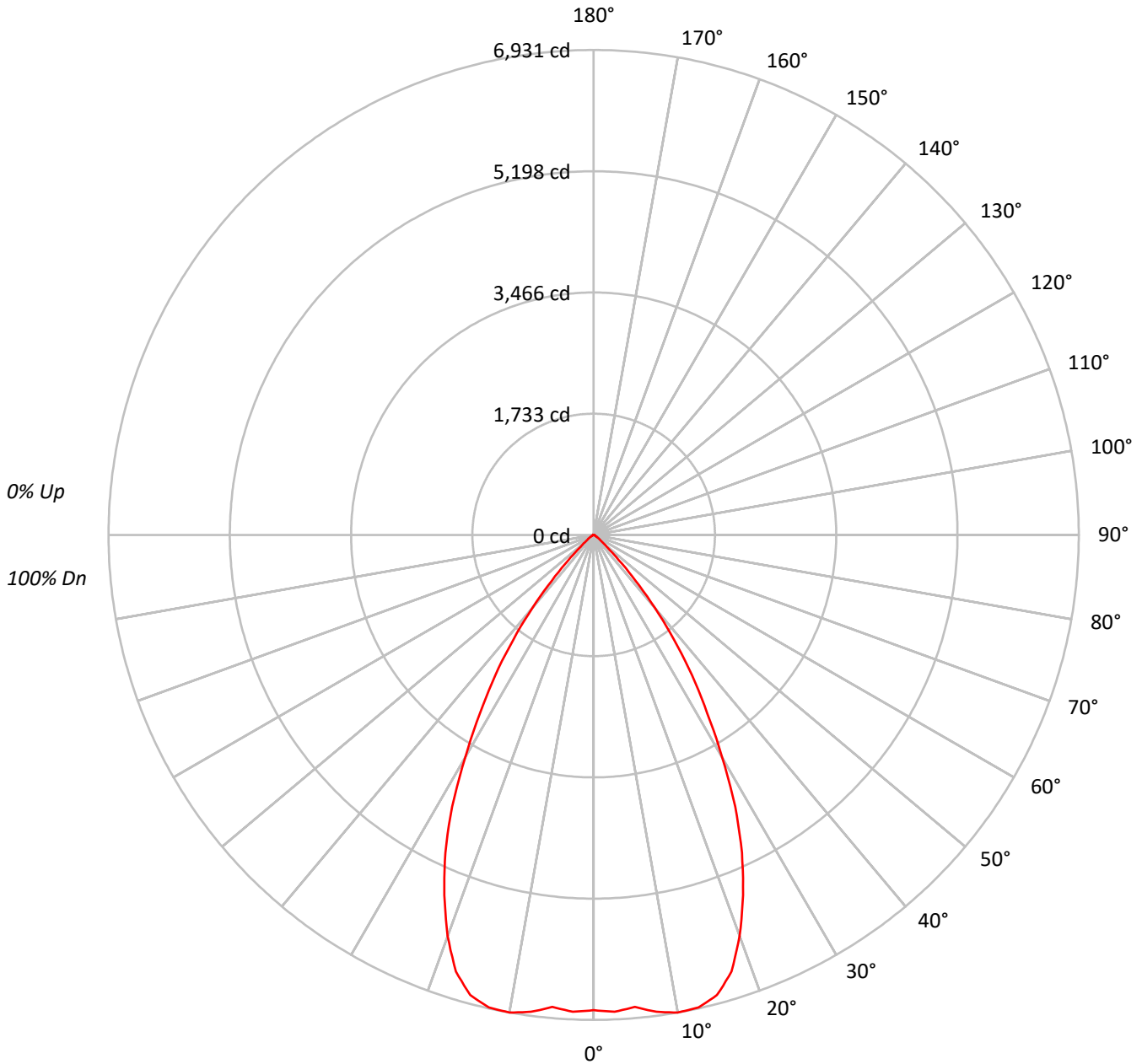
Lumens per Lamp: N/A
Luminaire Lumens: 6899.5 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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																			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	742208
5°	742817
10°	768969
15°	770246
20°	709137
25°	604226
30°	462553
35°	326788
40°	192893
45°	78310
50°	28387
55°	15811
60°	9069
65°	4990
70°	5239
75°	4095
80°	4279
85°	3636

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 78310 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.1	9.5
10°-20°	1886.8	27.3
20°-30°	2263.8	32.8
30°-40°	1521.3	22.1
40°-50°	455.4	6.6
50°-60°	80.4	1.2
60°-70°	22.8	0.3
70°-80°	11.2	0.2
80°-90°	3.5	0.1
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°	4804.7	69.6
0°-40°	6326.1	91.7
0°-60°	6861.9	99.5
0°-90°	6899.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6899.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6793	
5°	6773	654
15°	6809	1887
25°	5012	2264
35°	2450	1521
45°	507	455
55°	83	80
65°	19	23
75°	10	11
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6793.0
2.5°	6821.9
5°	6772.7
7.5°	6875.0
10°	6931.0
12.5°	6917.5
15°	6809.4
17.5°	6544.9
20°	6098.9
22.5°	5573.8
25°	5012.0
27.5°	4377.7
30°	3666.3
32.5°	3021.5
35°	2450.0
37.5°	1885.3
40°	1352.4
42.5°	883.3
45°	506.8
47.5°	268.4
50°	167.0
52.5°	115.8
55°	83.0
57.5°	59.9
60°	41.5
62.5°	27.0
65°	19.3
67.5°	17.4
70°	16.4
72.5°	12.5
75°	9.7
77.5°	8.7
80°	6.8
82.5°	4.8
85°	2.9
87.5°	1.9
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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