

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: P772400

Luminaire Tested: LD6D80BD010-EU6DR6570959027-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772400
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: LD6D80BD010-EU6DR6570959027-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

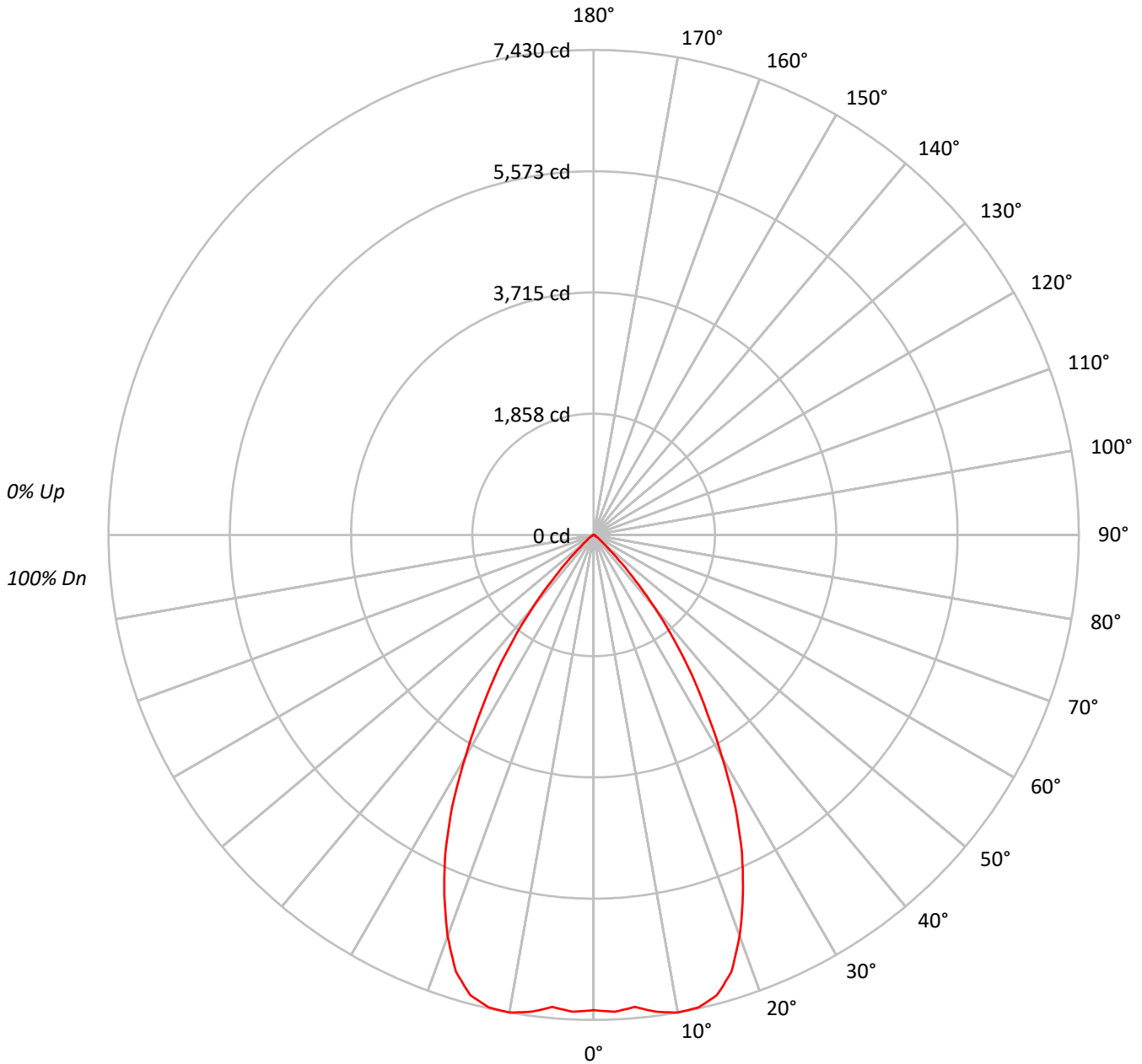
Lumens per Lamp: N/A
Luminaire Lumens: 7395.7 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 78.9
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			
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°	795593
5°	796252
10°	824286
15°	825649
20°	760145
25°	647687
30°	495822
35°	350290
40°	206770
45°	83934
50°	30426
55°	16954
60°	9724
65°	5352
70°	5622
75°	4348
80°	4530
85°	3886

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 83934 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	701.2	9.5
10°-20°	2022.5	27.3
20°-30°	2426.6	32.8
30°-40°	1630.8	22.1
40°-50°	488.2	6.6
50°-60°	86.2	1.2
60°-70°	24.5	0.3
70°-80°	12.0	0.2
80°-90°	3.8	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°	5150.3	69.6
0°-40°	6781.1	91.7
0°-60°	7355.4	99.5
0°-90°	7395.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7395.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7282	
5°	7260	701
15°	7299	2023
25°	5372	2427
35°	2626	1631
45°	543	488
55°	89	86
65°	21	24
75°	10	12
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7281.6
2.5°	7312.6
5°	7259.9
7.5°	7369.6
10°	7429.6
12.5°	7415.1
15°	7299.2
17.5°	7015.7
20°	6537.6
22.5°	5974.7
25°	5372.5
27.5°	4692.6
30°	3930.0
32.5°	3238.8
35°	2626.2
37.5°	2020.9
40°	1449.7
42.5°	946.8
45°	543.2
47.5°	287.7
50°	179.0
52.5°	124.2
55°	89.0
57.5°	64.2
60°	44.5
62.5°	29.0
65°	20.7
67.5°	18.6
70°	17.6
72.5°	13.5
75°	10.3
77.5°	9.3
80°	7.2
82.5°	5.2
85°	3.1
87.5°	2.1
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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