

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: P774025

Luminaire Tested: LD6D90BD010-EU6DR7070959024-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR7070959024-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

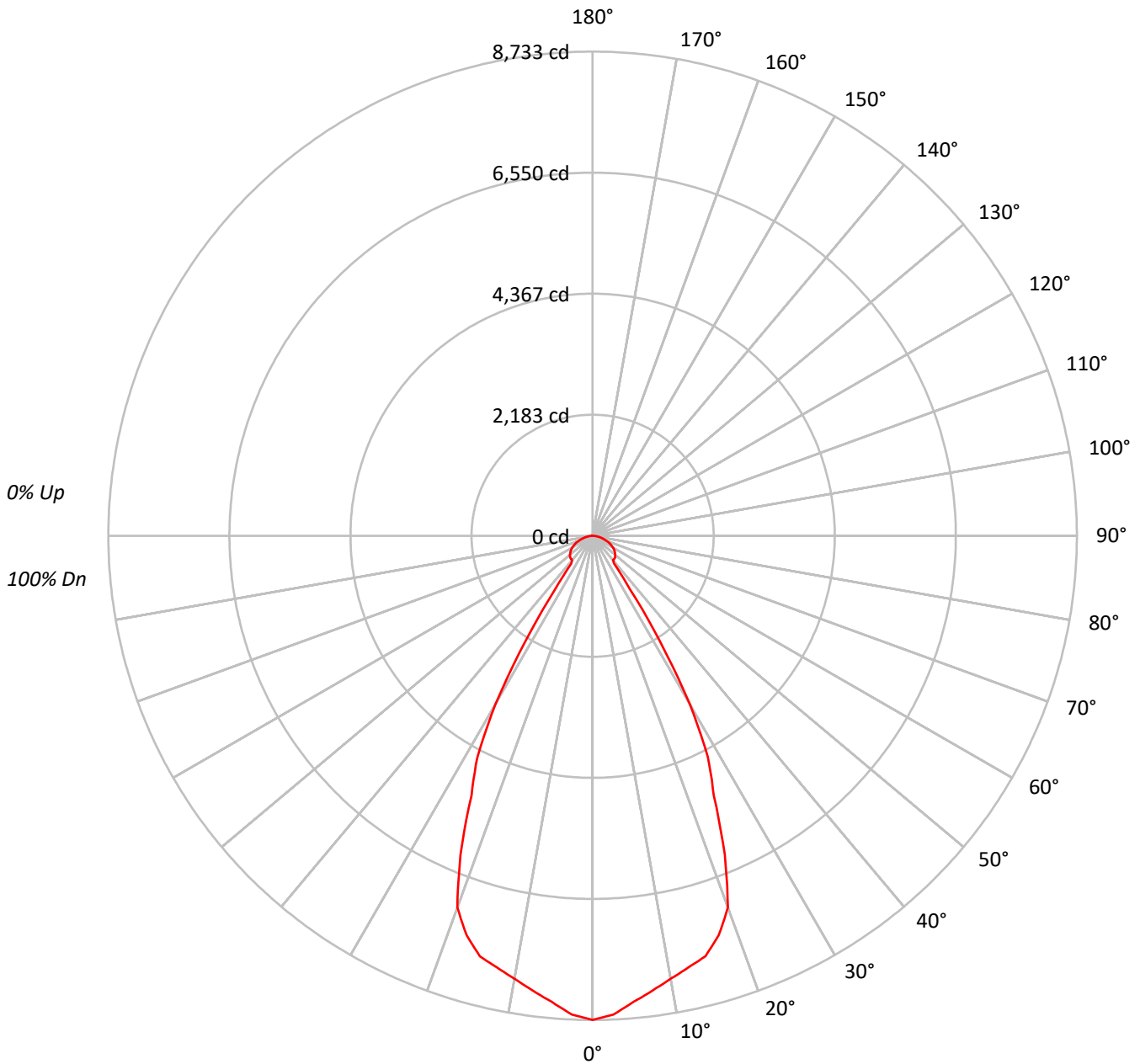
Lumens per Lamp: N/A
Luminaire Lumens: 7767.3 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 98.9
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									
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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	954141
5°	925793
10°	899985
15°	888179
20°	829374
25°	623069
30°	440449
35°	156018
40°	82041
45°	87380
50°	90480
55°	92178
60°	92762
65°	90797
70°	85678
75°	79364
80°	70471
85°	57165

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 92789 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	796.2	10.3
10°-20°	2183.8	28.1
20°-30°	2405.2	31.0
30°-40°	919.0	11.8
40°-50°	433.9	5.6
50°-60°	431.4	5.6
60°-70°	345.4	4.4
70°-80°	198.5	2.6
80°-90°	54.0	0.7
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°	5385.2	69.3
0°-40°	6304.2	81.2
0°-60°	7169.5	92.3
0°-90°	7767.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7767.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8733	
5°	8441	796
15°	7852	2184
25°	5168	2405
35°	1170	919
45°	566	434
55°	484	431
65°	351	345
75°	188	198
85°	46	54
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8732.7
2.5°	8641.4
5°	8441.0
7.5°	8273.7
10°	8111.9
12.5°	7975.0
15°	7852.0
17.5°	7554.7
20°	7133.0
22.5°	6223.2
25°	5168.3
27.5°	4499.1
30°	3491.1
32.5°	2255.1
35°	1169.7
37.5°	631.9
40°	575.2
42.5°	571.0
45°	565.5
47.5°	553.1
50°	532.3
52.5°	508.8
55°	483.9
57.5°	456.3
60°	424.5
62.5°	388.5
65°	351.2
67.5°	309.7
70°	268.2
72.5°	226.8
75°	188.0
77.5°	147.9
80°	112.0
82.5°	78.8
85°	45.6
87.5°	18.0
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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