

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: P773907

Luminaire Tested: LD6D90BD010-EU6DR6070959035-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773907
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: LD6D90BD010-EU6DR6070959035-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

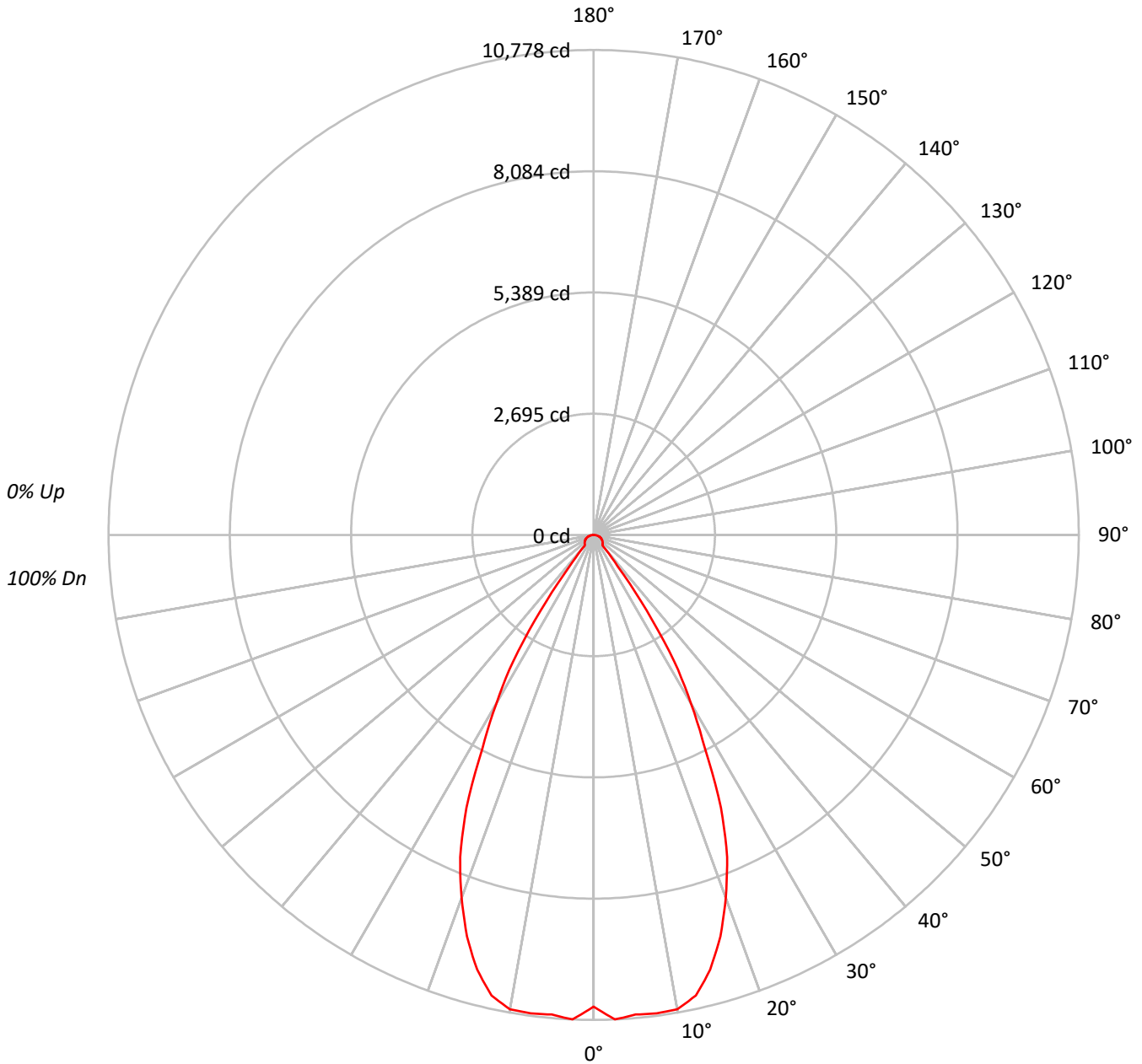
Lumens per Lamp: N/A
Luminaire Lumens: 8827.1 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1145413
5°	1173578
10°	1187758
15°	1131501
20°	997633
25°	806917
30°	545808
35°	273515
40°	44372
45°	43420
50°	44297
55°	44956
60°	46217
65°	47260
70°	48366
75°	48970
80°	47191
85°	39364

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 48970 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1022.7	11.6
10°-20°	2766.9	31.3
20°-30°	2977.0	33.7
30°-40°	1294.0	14.7
40°-50°	217.3	2.5
50°-60°	211.3	2.4
60°-70°	180.7	2.0
70°-80°	120.9	1.4
80°-90°	36.2	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°	6766.6	76.7
0°-40°	8060.6	91.3
0°-60°	8489.2	96.2
0°-90°	8827.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8827.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10483	
5°	10700	###
15°	10003	2767
25°	6693	2977
35°	2051	1294
45°	281	217
55°	236	211
65°	183	181
75°	116	121
85°	31	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10483.3
2.5°	10778.0
5°	10700.2
7.5°	10724.8
10°	10705.7
12.5°	10484.7
15°	10003.1
17.5°	9356.4
20°	8580.1
22.5°	7749.3
25°	6693.3
27.5°	5353.5
30°	4326.2
32.5°	3334.4
35°	2050.6
37.5°	877.2
40°	311.1
42.5°	286.5
45°	281.0
47.5°	271.5
50°	260.6
52.5°	248.3
55°	236.0
57.5°	223.7
60°	211.5
62.5°	197.8
65°	182.8
67.5°	167.8
70°	151.4
72.5°	133.7
75°	116.0
77.5°	95.5
80°	75.0
82.5°	53.2
85°	31.4
87.5°	10.9
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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