

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: P773869

Luminaire Tested: LD6D90BD010-EU6DR6070959024-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773869
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-EU6DR6070959024-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8431.7 lumens
Efficiency: N/A
Efficacy: 85.3 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

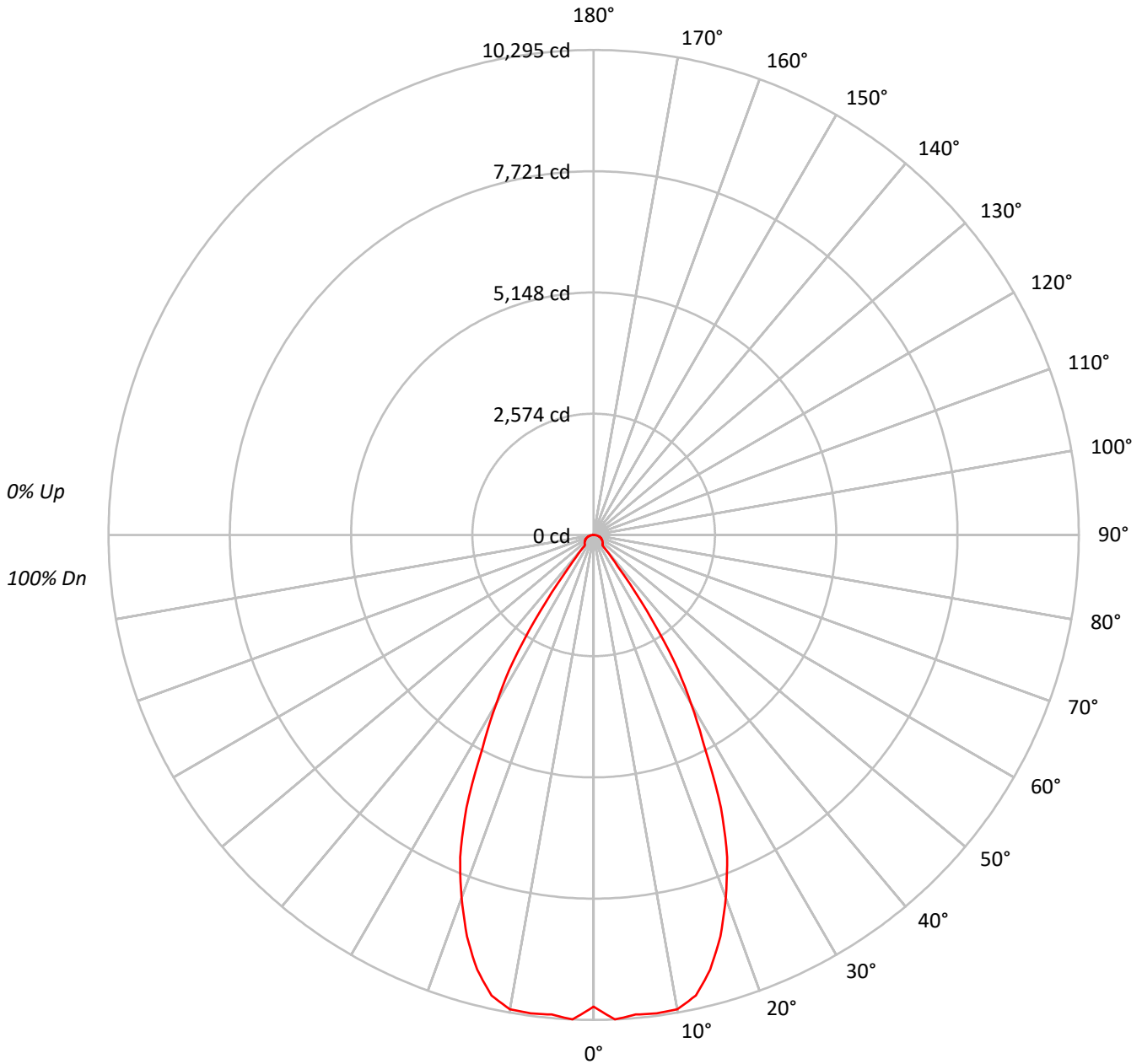
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	1094093
5°	1120998
10°	1134548
15°	1080803
20°	952938
25°	770762
30°	521358
35°	261257
40°	42375
45°	41488
50°	42308
55°	42956
60°	44141
65°	45140
70°	46225
75°	46774
80°	45114
85°	37609

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 46774 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	976.9	11.6
10°-20°	2642.9	31.3
20°-30°	2843.6	33.7
30°-40°	1236.0	14.7
40°-50°	207.6	2.5
50°-60°	201.9	2.4
60°-70°	172.7	2.0
70°-80°	115.5	1.4
80°-90°	34.6	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°	6463.4	76.7
0°-40°	7699.4	91.3
0°-60°	8108.9	96.2
0°-90°	8431.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8431.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10014	
5°	10221	977
15°	9555	2643
25°	6393	2844
35°	1959	1236
45°	268	208
55°	226	202
65°	175	173
75°	111	116
85°	30	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10013.6
2.5°	10295.1
5°	10220.8
7.5°	10244.3
10°	10226.1
12.5°	10014.9
15°	9554.9
17.5°	8937.2
20°	8195.7
22.5°	7402.1
25°	6393.4
27.5°	5113.7
30°	4132.4
32.5°	3185.0
35°	1958.7
37.5°	837.9
40°	297.1
42.5°	273.7
45°	268.5
47.5°	259.3
50°	248.9
52.5°	237.2
55°	225.5
57.5°	213.7
60°	202.0
62.5°	189.0
65°	174.6
67.5°	160.3
70°	144.7
72.5°	127.7
75°	110.8
77.5°	91.2
80°	71.7
82.5°	50.8
85°	30.0
87.5°	10.4
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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