

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P774064

Luminaire Tested: LD6D90BD010-EU6DR7070959035-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774064
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-EU6DR7070959035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

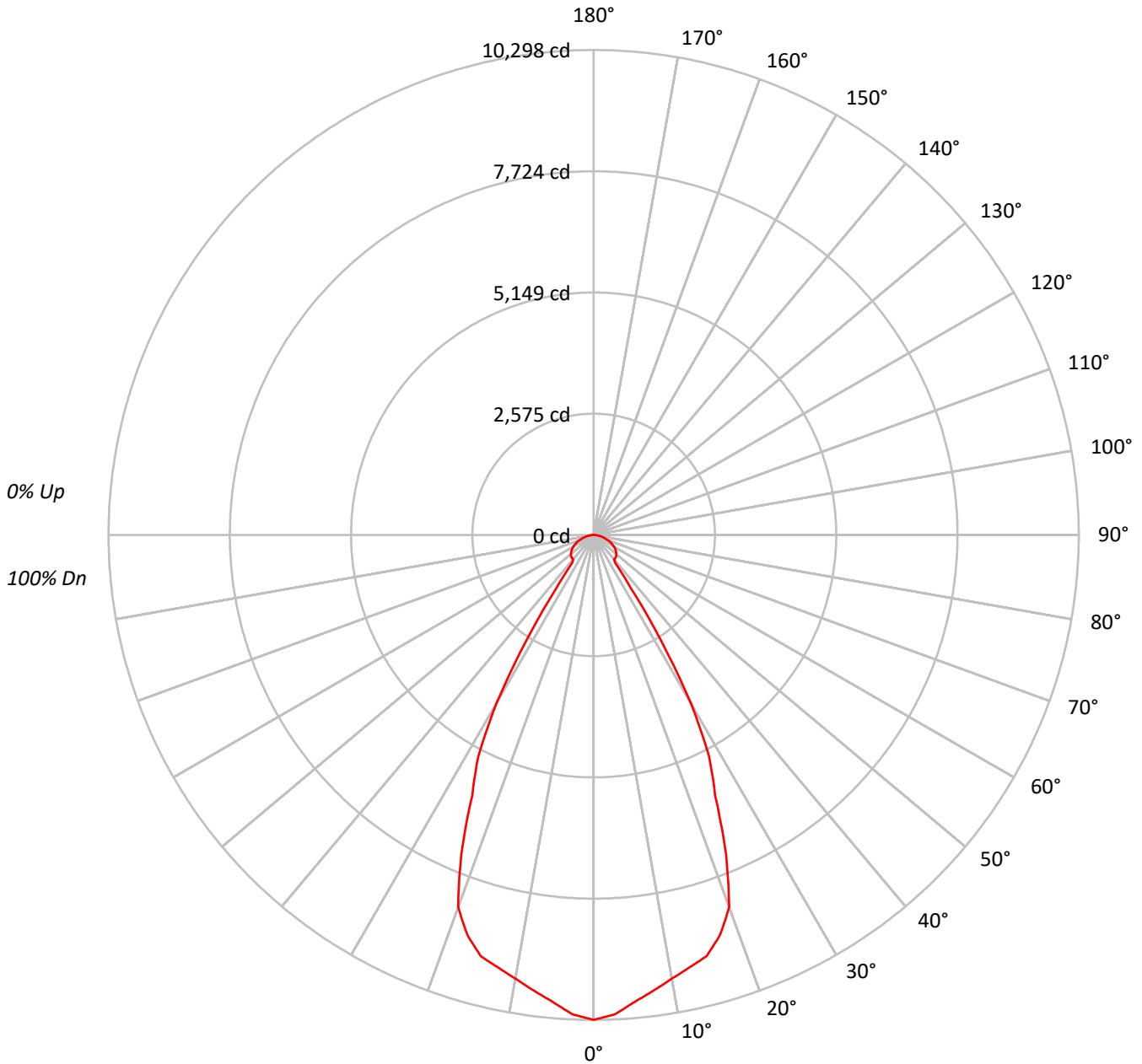
Lumens per Lamp: N/A
Luminaire Lumens: 9160.0 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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				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			100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1125222
5°	1091791
10°	1061356
15°	1047423
20°	978087
25°	734788
30°	519428
35°	183988
40°	96746
45°	103048
50°	106713
55°	108713
60°	109392
65°	107084
70°	101044
75°	93633
80°	83118
85°	67445

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 109424 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	938.9	10.3
10°-20°	2575.4	28.1
20°-30°	2836.5	31.0
30°-40°	1083.7	11.8
40°-50°	511.7	5.6
50°-60°	508.7	5.6
60°-70°	407.3	4.4
70°-80°	234.1	2.6
80°-90°	63.6	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°	6350.8	69.3
0°-40°	7434.5	81.2
0°-60°	8455.0	92.3
0°-90°	9160.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9160.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10298	
5°	9954	939
15°	9260	2575
25°	6095	2836
35°	1379	1084
45°	667	512
55°	571	509
65°	414	407
75°	222	234
85°	54	64
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10298.5
2.5°	10190.9
5°	9954.5
7.5°	9757.2
10°	9566.4
12.5°	9405.0
15°	9259.8
17.5°	8909.3
20°	8412.0
22.5°	7339.1
25°	6095.0
27.5°	5305.8
30°	4117.1
32.5°	2659.4
35°	1379.4
37.5°	745.2
40°	678.3
42.5°	673.4
45°	666.9
47.5°	652.2
50°	627.8
52.5°	600.0
55°	570.7
57.5°	538.1
60°	500.6
62.5°	458.2
65°	414.2
67.5°	365.2
70°	316.3
72.5°	267.4
75°	221.8
77.5°	174.5
80°	132.1
82.5°	92.9
85°	53.8
87.5°	21.2
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)