

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: P772517

Luminaire Tested: LD6D80BD010-EU6DR7070959040-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772517
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: LD6D80BD010-EU6DR7070959040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8489.9 lumens
Efficiency: N/A
Efficacy: 107.6 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

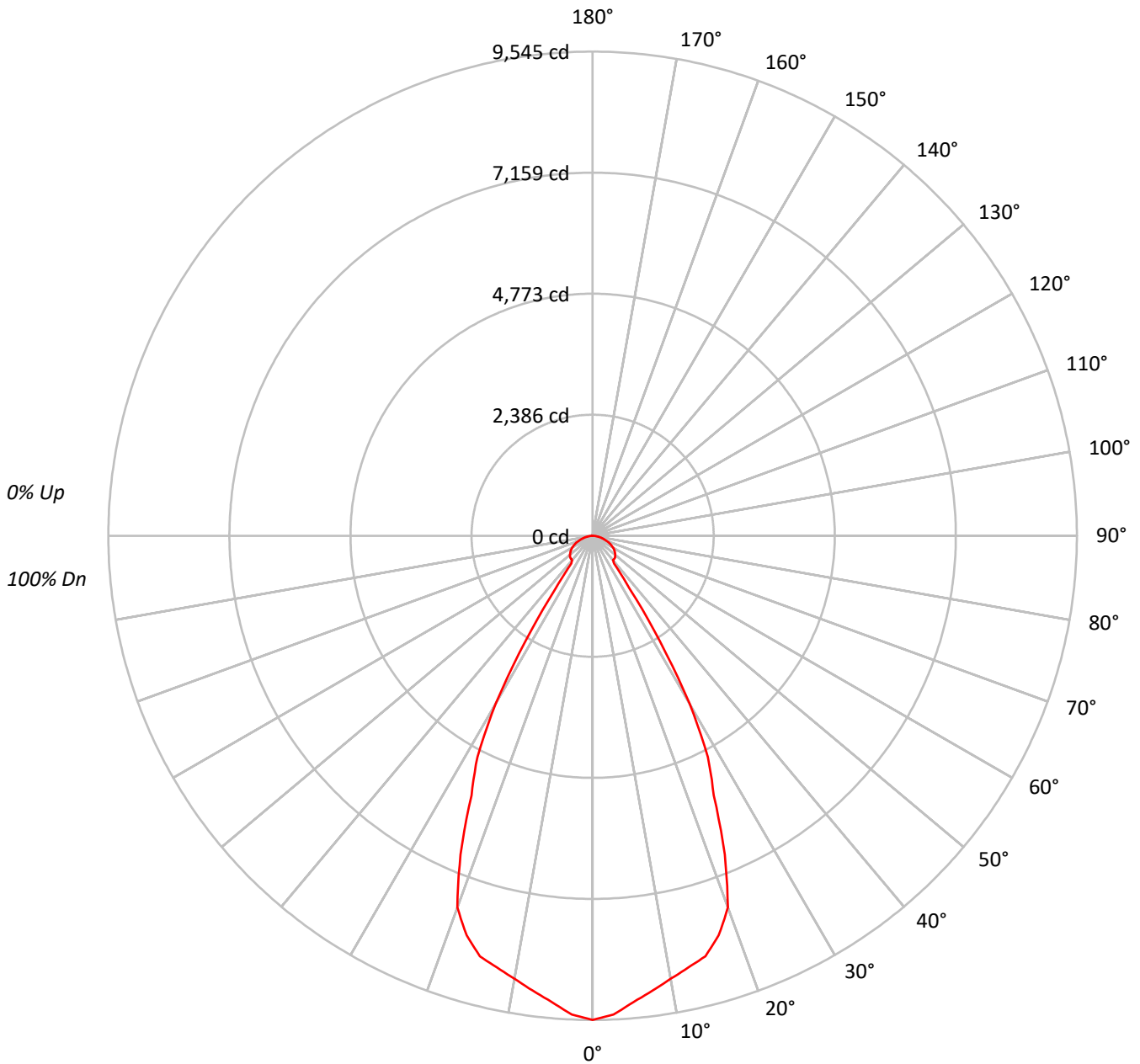
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	1042916
5°	1011923
10°	983716
15°	970810
20°	906533
25°	681032
30°	481440
35°	170530
40°	89671
45°	95508
50°	98894
55°	100750
60°	101394
65°	99251
70°	93665
75°	86752
80°	77015
85°	62556

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 101411 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	870.2	10.3
10°-20°	2387.0	28.1
20°-30°	2629.0	31.0
30°-40°	1004.5	11.8
40°-50°	474.3	5.6
50°-60°	471.5	5.6
60°-70°	377.5	4.4
70°-80°	216.9	2.6
80°-90°	59.0	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°	5886.2	69.3
0°-40°	6890.7	81.2
0°-60°	7836.5	92.3
0°-90°	8489.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8489.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9545	
5°	9226	870
15°	8582	2387
25°	5649	2629
35°	1278	1004
45°	618	474
55°	529	471
65°	384	378
75°	206	217
85°	50	59
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9545.2
2.5°	9445.4
5°	9226.3
7.5°	9043.4
10°	8866.6
12.5°	8717.0
15°	8582.5
17.5°	8257.6
20°	7796.6
22.5°	6802.2
25°	5649.1
27.5°	4917.7
30°	3816.0
32.5°	2464.9
35°	1278.5
37.5°	690.6
40°	628.7
42.5°	624.2
45°	618.1
47.5°	604.5
50°	581.8
52.5°	556.1
55°	528.9
57.5°	498.7
60°	464.0
62.5°	424.7
65°	383.9
67.5°	338.5
70°	293.2
72.5°	247.8
75°	205.5
77.5°	161.7
80°	122.4
82.5°	86.1
85°	49.9
87.5°	19.6
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)