

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: P767031

Luminaire Tested: LD6D45BD010-EU6DR7040509030-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767031
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: LD6D45BD010-EU6DR7040509030-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

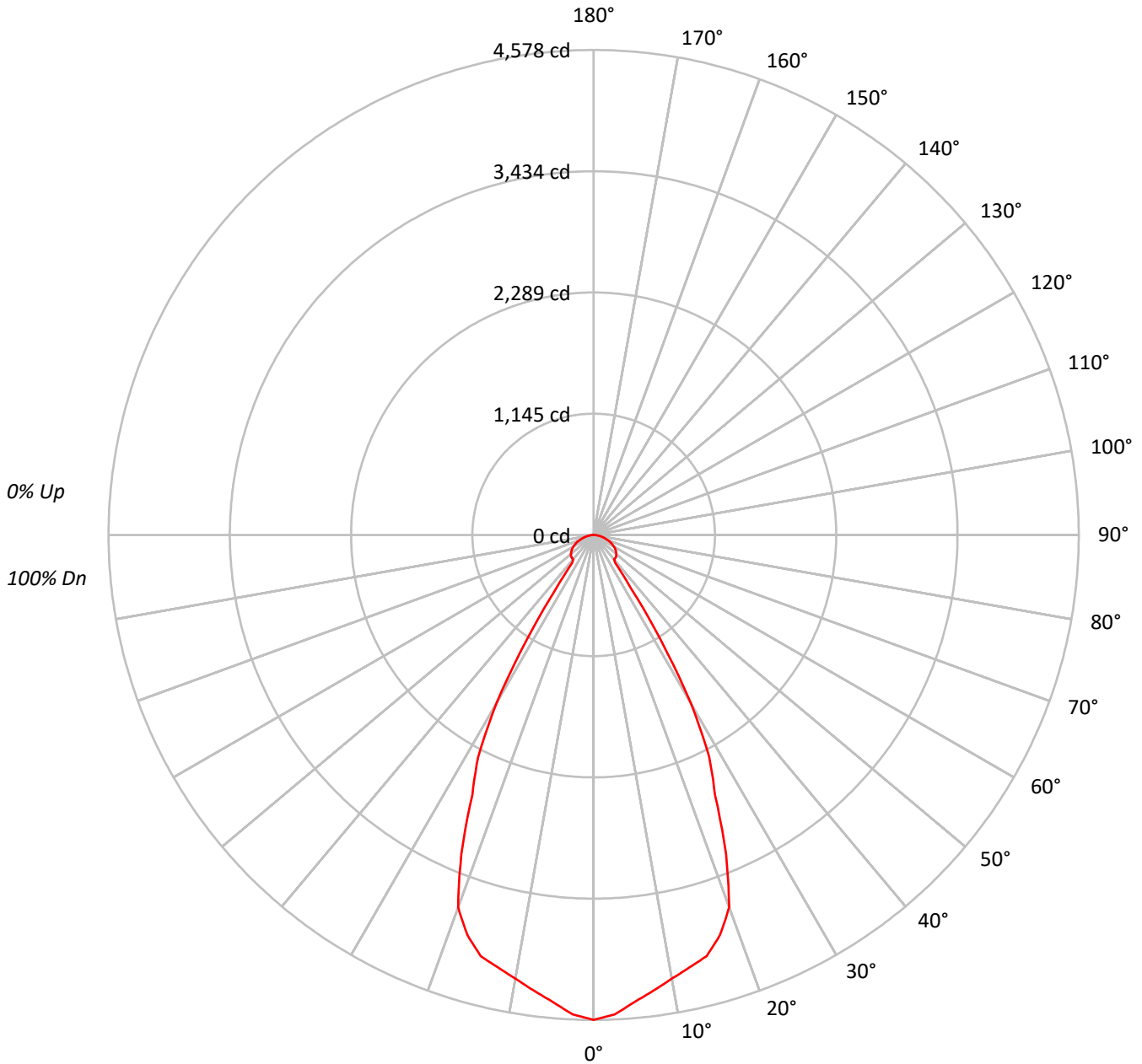
Lumens per Lamp: N/A
Luminaire Lumens: 4072.1 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 38.7
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°	500229
5°	485359
10°	471832
15°	465638
20°	434814
25°	326646
30°	230917
35°	81790
40°	43003
45°	45815
50°	47441
55°	48327
60°	48621
65°	47596
70°	44916
75°	41624
80°	36934
85°	29962

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 48642 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.4	10.3
10°-20°	1144.9	28.1
20°-30°	1261.0	31.0
30°-40°	481.8	11.8
40°-50°	227.5	5.6
50°-60°	226.2	5.6
60°-70°	181.1	4.4
70°-80°	104.1	2.6
80°-90°	28.3	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°	2823.3	69.3
0°-40°	3305.1	81.2
0°-60°	3758.7	92.3
0°-90°	4072.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4072.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4578	
5°	4425	417
15°	4116	1145
25°	2710	1261
35°	613	482
45°	296	227
55°	254	226
65°	184	181
75°	99	104
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4578.3
2.5°	4530.4
5°	4425.3
7.5°	4337.6
10°	4252.8
12.5°	4181.0
15°	4116.5
17.5°	3960.7
20°	3739.6
22.5°	3262.6
25°	2709.5
27.5°	2358.7
30°	1830.3
32.5°	1182.3
35°	613.2
37.5°	331.3
40°	301.5
42.5°	299.4
45°	296.5
47.5°	289.9
50°	279.1
52.5°	266.8
55°	253.7
57.5°	239.2
60°	222.5
62.5°	203.7
65°	184.1
67.5°	162.4
70°	140.6
72.5°	118.9
75°	98.6
77.5°	77.6
80°	58.7
82.5°	41.3
85°	23.9
87.5°	9.4
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)