

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: P767030

Luminaire Tested: LD6D45BD010-EU6DR7040509030-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767030
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-EU6DR7040509030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

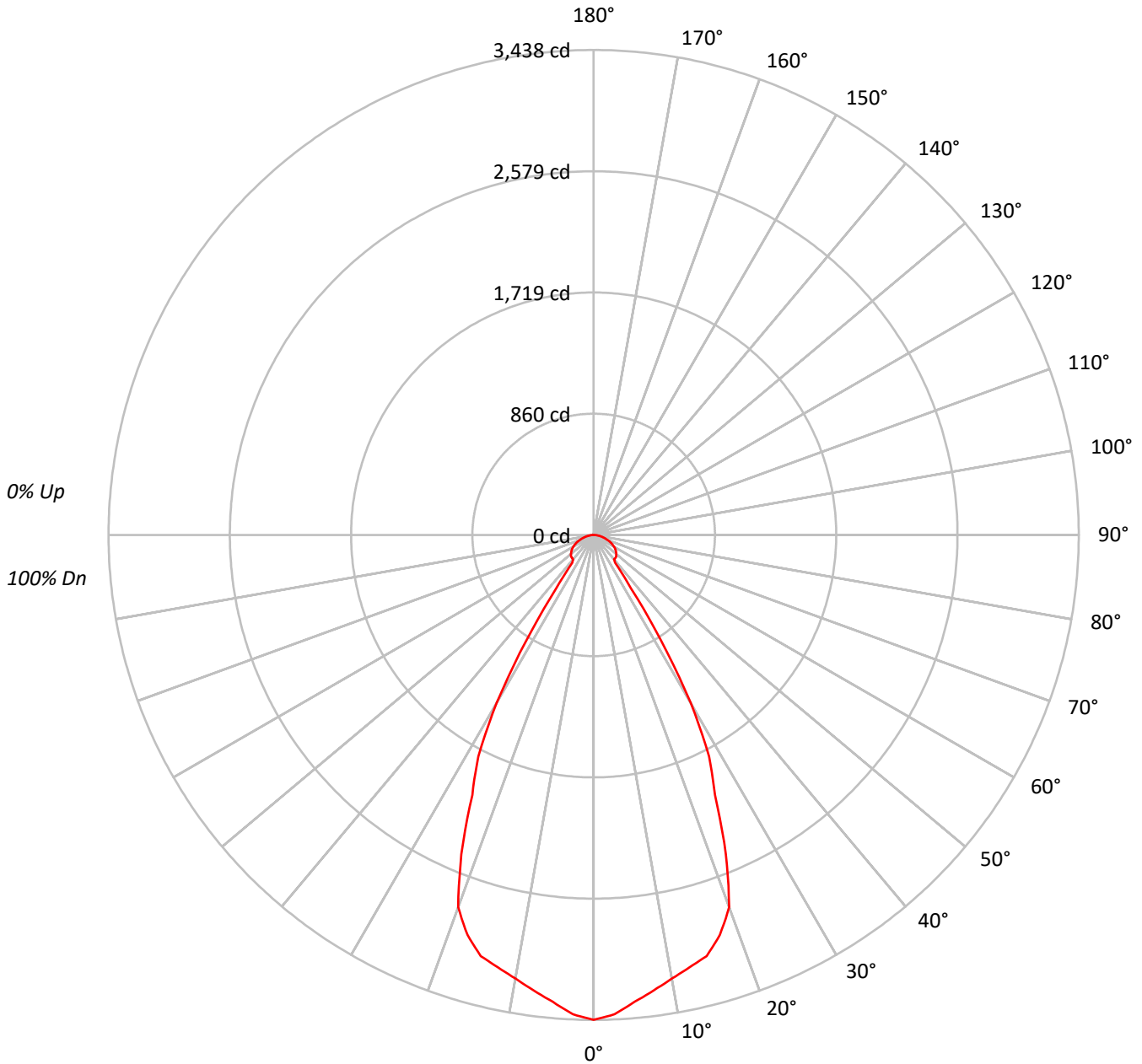
Lumens per Lamp: N/A
Luminaire Lumens: 3057.5 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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°	375595
5°	364427
10°	354274
15°	349627
20°	326471
25°	245271
30°	173386
35°	61409
40°	32291
45°	34396
50°	35611
55°	36288
60°	36515
65°	35729
70°	33735
75°	31239
80°	27748
85°	22565

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 36522 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.4	10.3
10°-20°	859.7	28.1
20°-30°	946.8	31.0
30°-40°	361.7	11.8
40°-50°	170.8	5.6
50°-60°	169.8	5.6
60°-70°	135.9	4.4
70°-80°	78.1	2.6
80°-90°	21.3	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°	2119.8	69.3
0°-40°	2481.6	81.2
0°-60°	2822.2	92.3
0°-90°	3057.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3057.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3438	
5°	3323	313
15°	3091	860
25°	2034	947
35°	460	362
45°	223	171
55°	190	170
65°	138	136
75°	74	78
85°	18	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3437.6
2.5°	3401.6
5°	3322.7
7.5°	3256.9
10°	3193.2
12.5°	3139.3
15°	3090.9
17.5°	2973.8
20°	2807.8
22.5°	2449.7
25°	2034.5
27.5°	1771.0
30°	1374.3
32.5°	887.7
35°	460.4
37.5°	248.7
40°	226.4
42.5°	224.8
45°	222.6
47.5°	217.7
50°	209.5
52.5°	200.3
55°	190.5
57.5°	179.6
60°	167.1
62.5°	152.9
65°	138.2
67.5°	121.9
70°	105.6
72.5°	89.3
75°	74.0
77.5°	58.2
80°	44.1
82.5°	31.0
85°	18.0
87.5°	7.1
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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