

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: P766887

Luminaire Tested: LD6D45BD010-EU6DR6040509035-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P766887
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: LD6D45BD010-EU6DR6040509035-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

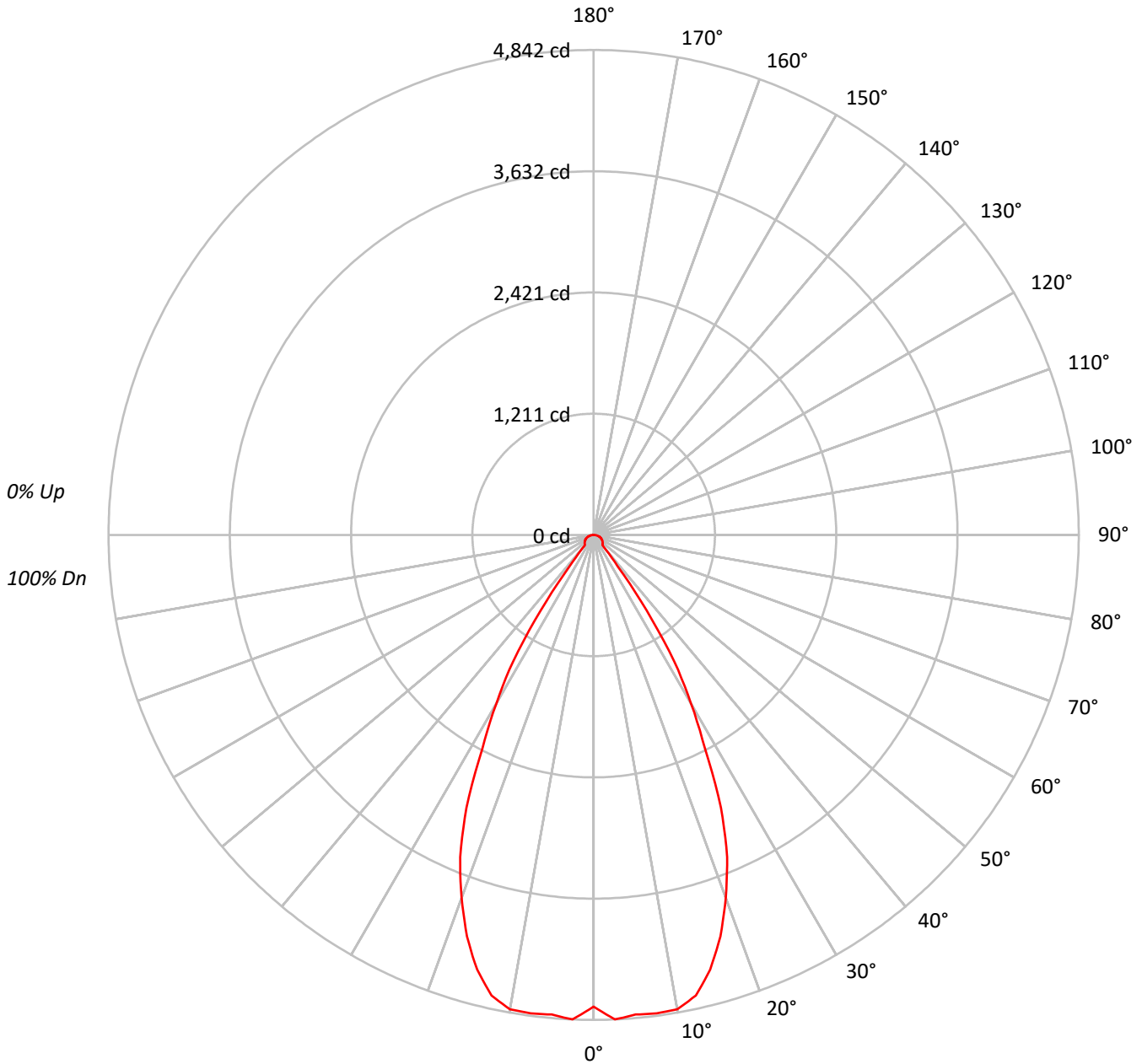
Lumens per Lamp: N/A
Luminaire Lumens: 3965.5 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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
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°	514564
5°	527223
10°	533585
15°	508316
20°	448174
25°	362500
30°	245199
35°	122872
40°	19925
45°	19516
50°	19905
55°	20192
60°	20760
65°	21226
70°	21723
75°	21994
80°	21204
85°	17676

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 21994 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.4	11.6
10°-20°	1243.0	31.3
20°-30°	1337.4	33.7
30°-40°	581.3	14.7
40°-50°	97.7	2.5
50°-60°	94.9	2.4
60°-70°	81.2	2.0
70°-80°	54.3	1.4
80°-90°	16.3	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°	3039.8	76.7
0°-40°	3621.1	91.3
0°-60°	3813.7	96.2
0°-90°	3965.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3965.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4710	
5°	4807	459
15°	4494	1243
25°	3007	1337
35°	921	581
45°	126	98
55°	106	95
65°	82	81
75°	52	54
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4709.5
2.5°	4841.9
5°	4807.0
7.5°	4818.0
10°	4809.4
12.5°	4710.1
15°	4493.8
17.5°	4203.3
20°	3854.5
22.5°	3481.3
25°	3006.9
27.5°	2405.0
30°	1943.5
32.5°	1497.9
35°	921.2
37.5°	394.1
40°	139.7
42.5°	128.7
45°	126.3
47.5°	122.0
50°	117.1
52.5°	111.5
55°	106.0
57.5°	100.5
60°	95.0
62.5°	88.9
65°	82.1
67.5°	75.4
70°	68.0
72.5°	60.1
75°	52.1
77.5°	42.9
80°	33.7
82.5°	23.9
85°	14.1
87.5°	4.9
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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