

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: P767069

Luminaire Tested: LD6D45BD010-EU6DR7040509050-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767069
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-EU6DR7040509050-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

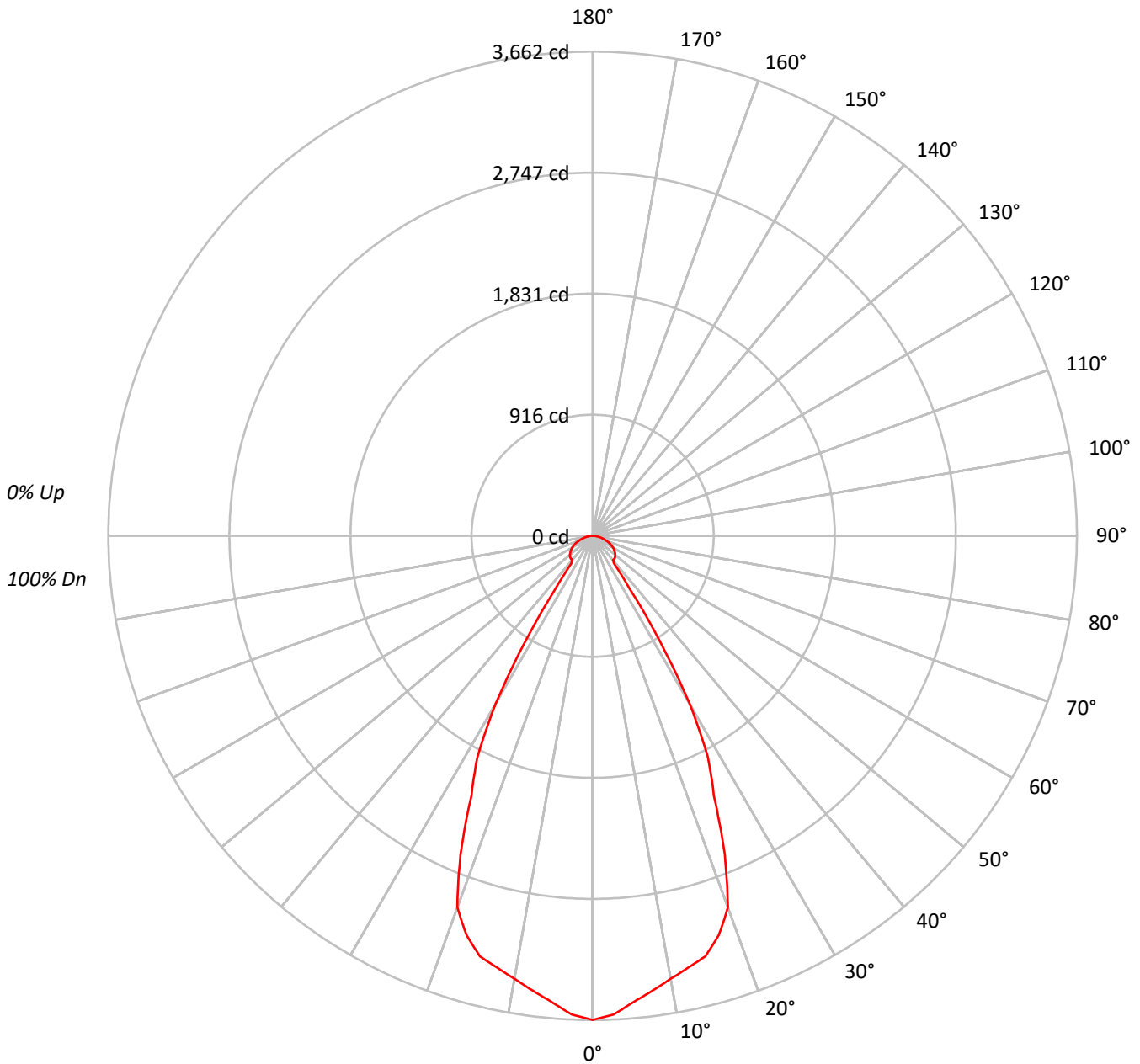
Lumens per Lamp: N/A
Luminaire Lumens: 3257.3 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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				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°	400124
5°	388239
10°	377417
15°	372465
20°	347807
25°	261293
30°	184703
35°	65424
40°	34402
45°	36636
50°	37939
55°	38650
60°	38897
65°	38082
70°	35939
75°	33308
80°	29573
85°	23944

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 38901 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.9	10.3
10°-20°	915.8	28.1
20°-30°	1008.6	31.0
30°-40°	385.4	11.8
40°-50°	182.0	5.6
50°-60°	180.9	5.6
60°-70°	144.8	4.4
70°-80°	83.3	2.6
80°-90°	22.6	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°	2258.3	69.3
0°-40°	2643.7	81.2
0°-60°	3006.6	92.3
0°-90°	3257.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3257.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3662	
5°	3540	334
15°	3293	916
25°	2167	1009
35°	490	385
45°	237	182
55°	203	181
65°	147	145
75°	79	83
85°	19	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3662.1
2.5°	3623.9
5°	3539.8
7.5°	3469.6
10°	3401.8
12.5°	3344.4
15°	3292.8
17.5°	3168.1
20°	2991.3
22.5°	2609.8
25°	2167.4
27.5°	1886.7
30°	1464.0
32.5°	945.7
35°	490.5
37.5°	265.0
40°	241.2
42.5°	239.5
45°	237.1
47.5°	231.9
50°	223.2
52.5°	213.4
55°	202.9
57.5°	191.3
60°	178.0
62.5°	162.9
65°	147.3
67.5°	129.9
70°	112.5
72.5°	95.1
75°	78.9
77.5°	62.0
80°	47.0
82.5°	33.0
85°	19.1
87.5°	7.5
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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(END OF REPORT)