

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: P767056

Luminaire Tested: LD6D45BD010-EU6DR7040509040-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767056
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-EU6DR7040509040-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

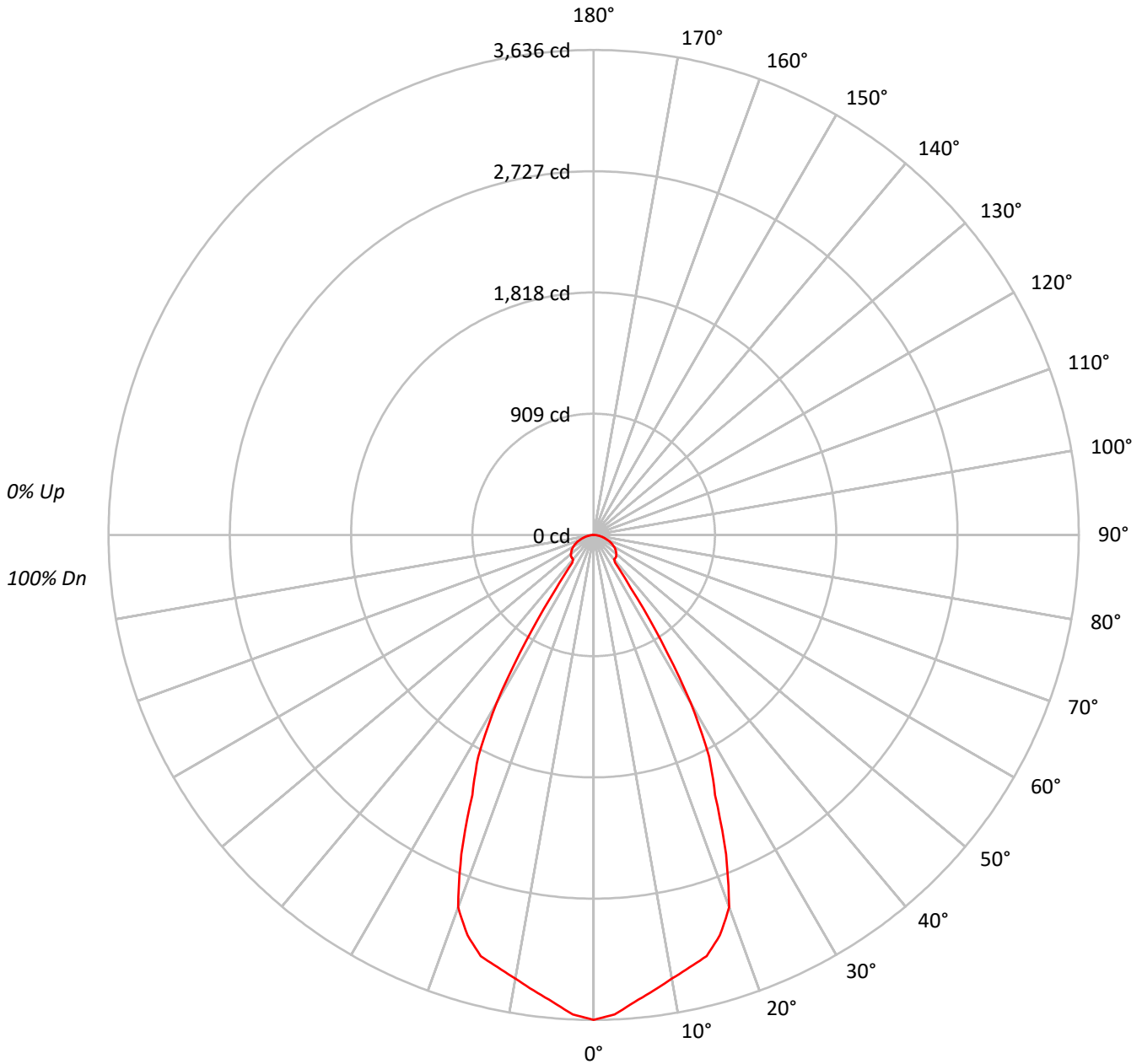
Lumens per Lamp: N/A
Luminaire Lumens: 3234.2 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	397294
5°	385486
10°	374743
15°	369818
20°	345342
25°	259436
30°	183404
35°	64957
40°	34160
45°	36389
50°	37667
55°	38384
60°	38613
65°	37798
70°	35683
75°	33054
80°	29321
85°	23819

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 38637 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.5	10.3
10°-20°	909.3	28.1
20°-30°	1001.5	31.0
30°-40°	382.6	11.8
40°-50°	180.7	5.6
50°-60°	179.6	5.6
60°-70°	143.8	4.4
70°-80°	82.6	2.6
80°-90°	22.5	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°	2242.3	69.3
0°-40°	2625.0	81.2
0°-60°	2985.3	92.3
0°-90°	3234.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3234.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3636	
5°	3515	332
15°	3269	909
25°	2152	1002
35°	487	383
45°	236	181
55°	202	180
65°	146	144
75°	78	83
85°	19	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3636.2
2.5°	3598.2
5°	3514.7
7.5°	3445.0
10°	3377.7
12.5°	3320.7
15°	3269.4
17.5°	3145.7
20°	2970.1
22.5°	2591.3
25°	2152.0
27.5°	1873.4
30°	1453.7
32.5°	939.0
35°	487.0
37.5°	263.1
40°	239.5
42.5°	237.8
45°	235.5
47.5°	230.3
50°	221.6
52.5°	211.9
55°	201.5
57.5°	190.0
60°	176.7
62.5°	161.8
65°	146.2
67.5°	129.0
70°	111.7
72.5°	94.4
75°	78.3
77.5°	61.6
80°	46.6
82.5°	32.8
85°	19.0
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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