

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: P766913

Luminaire Tested: LD6D45BD010-EU6DR6040509050-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P766913
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-EU6DR6040509050-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

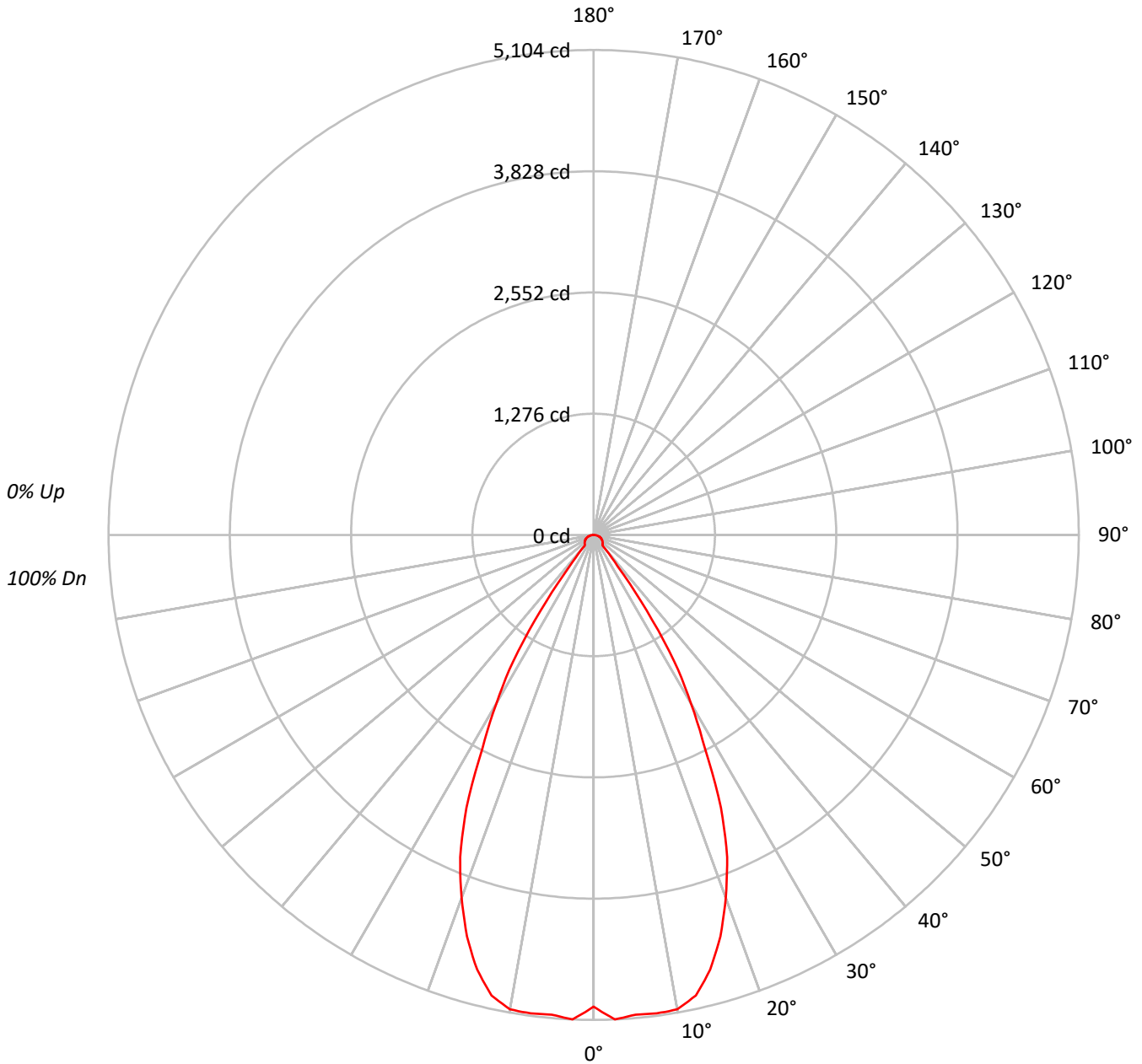
Lumens per Lamp: N/A
Luminaire Lumens: 4180.5 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	542469
5°	555805
10°	562520
15°	535883
20°	472475
25°	382150
30°	258496
35°	129528
40°	21009
45°	20566
50°	20975
55°	21297
60°	21896
65°	22389
70°	22905
75°	23176
80°	22337
85°	18679

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 23176 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.3	11.6
10°-20°	1310.4	31.3
20°-30°	1409.9	33.7
30°-40°	612.9	14.7
40°-50°	102.9	2.5
50°-60°	100.1	2.4
60°-70°	85.6	2.0
70°-80°	57.3	1.4
80°-90°	17.1	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°	3204.6	76.7
0°-40°	3817.5	91.3
0°-60°	4020.5	96.2
0°-90°	4180.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4180.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4965	
5°	5068	484
15°	4738	1310
25°	3170	1410
35°	971	613
45°	133	103
55°	112	100
65°	87	86
75°	55	57
85°	15	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4964.9
2.5°	5104.5
5°	5067.6
7.5°	5079.3
10°	5070.2
12.5°	4965.5
15°	4737.5
17.5°	4431.2
20°	4063.5
22.5°	3670.0
25°	3169.9
27.5°	2535.4
30°	2048.9
32.5°	1579.2
35°	971.1
37.5°	415.5
40°	147.3
42.5°	135.7
45°	133.1
47.5°	128.6
50°	123.4
52.5°	117.6
55°	111.8
57.5°	106.0
60°	100.2
62.5°	93.7
65°	86.6
67.5°	79.5
70°	71.7
72.5°	63.3
75°	54.9
77.5°	45.2
80°	35.5
82.5°	25.2
85°	14.9
87.5°	5.2
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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