

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: P766874

Luminaire Tested: LD6D45BD010-EU6DR6040509030-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P766874
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-EU6DR6040509030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

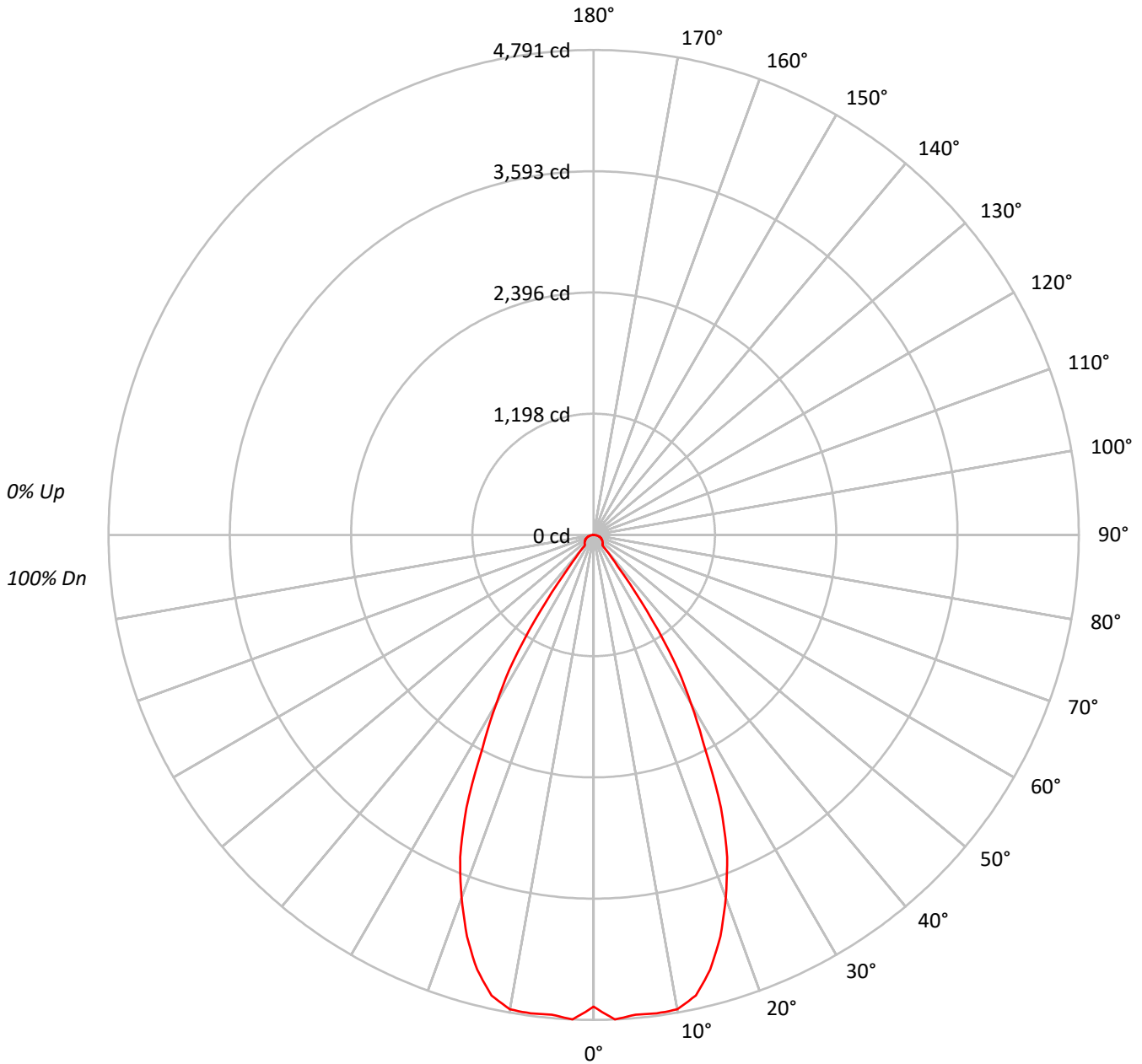
Lumens per Lamp: N/A
Luminaire Lumens: 3924.1 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	509199
5°	521717
10°	528027
15°	503011
20°	443500
25°	358714
30°	242638
35°	121592
40°	19726
45°	19299
50°	19684
55°	19982
60°	20541
65°	21019
70°	21499
75°	21783
80°	21016
85°	17425

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 21783 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.6	11.6
10°-20°	1230.0	31.3
20°-30°	1323.4	33.7
30°-40°	575.3	14.7
40°-50°	96.6	2.5
50°-60°	93.9	2.4
60°-70°	80.3	2.0
70°-80°	53.8	1.4
80°-90°	16.1	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°	3008.1	76.7
0°-40°	3583.4	91.3
0°-60°	3773.9	96.2
0°-90°	3924.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3924.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4660	
5°	4757	455
15°	4447	1230
25°	2976	1323
35°	912	575
45°	125	97
55°	105	94
65°	81	80
75°	52	54
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4660.4
2.5°	4791.4
5°	4756.8
7.5°	4767.8
10°	4759.3
12.5°	4661.0
15°	4446.9
17.5°	4159.4
20°	3814.3
22.5°	3445.0
25°	2975.5
27.5°	2379.9
30°	1923.2
32.5°	1482.3
35°	911.6
37.5°	390.0
40°	138.3
42.5°	127.4
45°	124.9
47.5°	120.7
50°	115.8
52.5°	110.4
55°	104.9
57.5°	99.5
60°	94.0
62.5°	87.9
65°	81.3
67.5°	74.6
70°	67.3
72.5°	59.4
75°	51.6
77.5°	42.5
80°	33.4
82.5°	23.7
85°	13.9
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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