

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: P773933

Luminaire Tested: LD6D90BD010-EU6DR6070959050-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773933
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: LD6D90BD010-EU6DR6070959050-6LBSQW1B
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

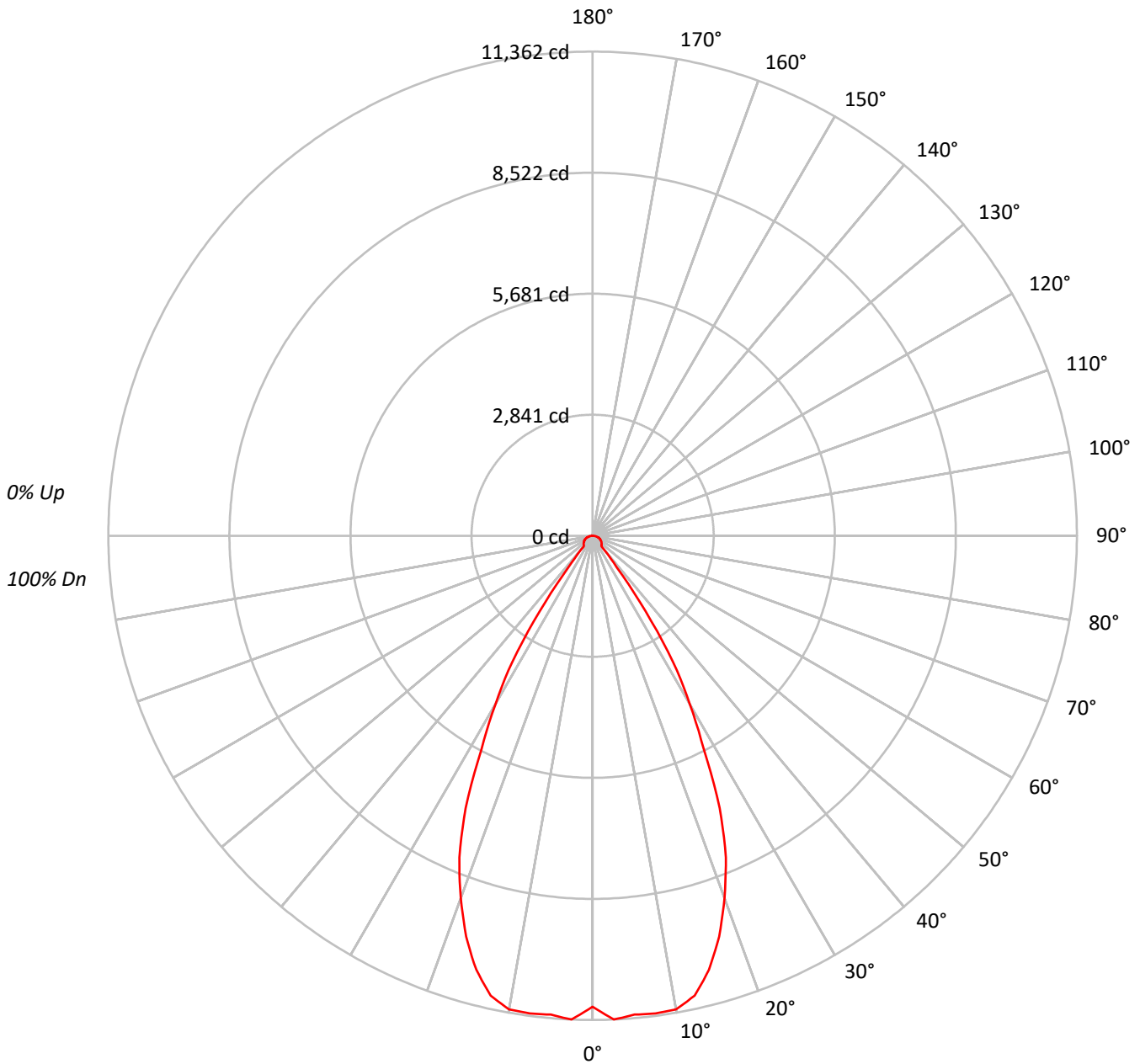
Lumens per Lamp: N/A
Luminaire Lumens: 9305.9 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 98.9
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°	1207528
5°	1237224
10°	1252173
15°	1192855
20°	1051735
25°	850679
30°	575406
35°	288347
40°	46768
45°	45784
50°	46693
55°	47394
60°	48708
65°	49819
70°	51017
75°	51629
80°	49770
85°	41495

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 51629 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1078.1	11.6
10°-20°	2917.0	31.3
20°-30°	3138.4	33.7
30°-40°	1364.2	14.7
40°-50°	229.1	2.5
50°-60°	222.8	2.4
60°-70°	190.6	2.0
70°-80°	127.5	1.4
80°-90°	38.1	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°	7133.5	76.7
0°-40°	8497.7	91.3
0°-60°	8949.6	96.2
0°-90°	9305.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9305.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11052	
5°	11280	###
15°	10546	2917
25°	7056	3138
35°	2162	1364
45°	296	229
55°	249	223
65°	193	191
75°	122	128
85°	33	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11051.8
2.5°	11362.5
5°	11280.5
7.5°	11306.4
10°	11286.3
12.5°	11053.3
15°	10545.5
17.5°	9863.8
20°	9045.4
22.5°	8169.5
25°	7056.3
27.5°	5643.9
30°	4560.8
32.5°	3515.2
35°	2161.8
37.5°	924.8
40°	327.9
42.5°	302.0
45°	296.3
47.5°	286.2
50°	274.7
52.5°	261.8
55°	248.8
57.5°	235.9
60°	222.9
62.5°	208.6
65°	192.7
67.5°	176.9
70°	159.7
72.5°	141.0
75°	122.3
77.5°	100.7
80°	79.1
82.5°	56.1
85°	33.1
87.5°	11.5
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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