

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: P773920

Luminaire Tested: LD6D90BD010-EU6DR6070959040-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773920
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-EU6DR6070959040-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

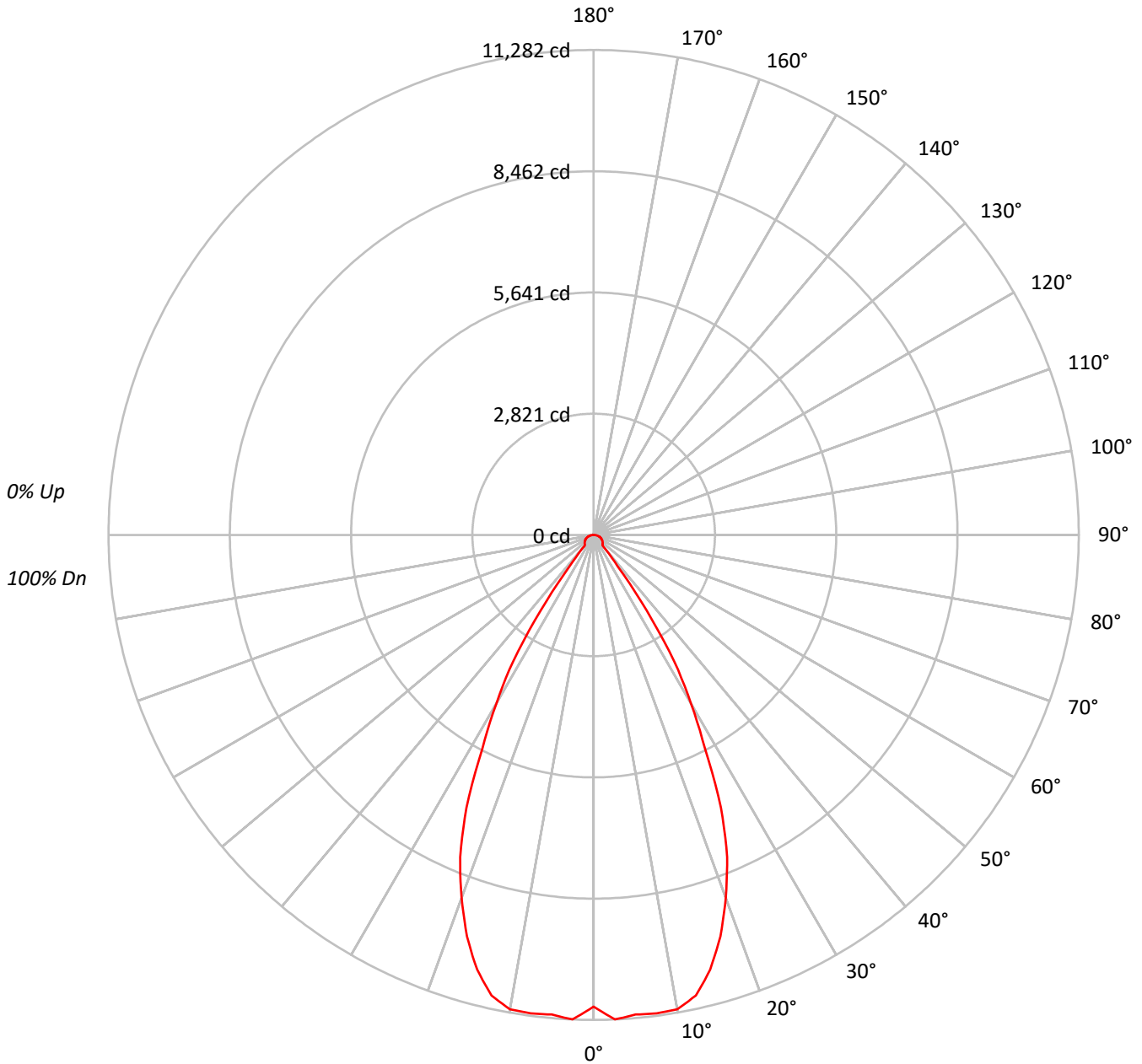
Lumens per Lamp: N/A
Luminaire Lumens: 9239.9 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1198962
5°	1228450
10°	1243286
15°	1184405
20°	1044281
25°	844639
30°	571331
35°	286293
40°	46440
45°	45459
50°	46370
55°	47070
60°	48381
65°	49483
70°	50634
75°	51249
80°	49393
85°	41119

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 51249 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1070.5	11.6
10°-20°	2896.3	31.3
20°-30°	3116.1	33.7
30°-40°	1354.5	14.7
40°-50°	227.5	2.5
50°-60°	221.2	2.4
60°-70°	189.2	2.0
70°-80°	126.6	1.4
80°-90°	37.8	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°	7082.9	76.7
0°-40°	8437.4	91.3
0°-60°	8886.2	96.2
0°-90°	9239.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9239.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10973	
5°	11200	###
15°	10471	2896
25°	7006	3116
35°	2146	1355
45°	294	228
55°	247	221
65°	191	189
75°	121	127
85°	33	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10973.4
2.5°	11281.9
5°	11200.5
7.5°	11226.2
10°	11206.2
12.5°	10974.9
15°	10470.8
17.5°	9793.8
20°	8981.3
22.5°	8111.5
25°	7006.2
27.5°	5603.8
30°	4528.5
32.5°	3490.3
35°	2146.4
37.5°	918.3
40°	325.6
42.5°	299.9
45°	294.2
47.5°	284.2
50°	272.8
52.5°	259.9
55°	247.1
57.5°	234.2
60°	221.4
62.5°	207.1
65°	191.4
67.5°	175.7
70°	158.5
72.5°	140.0
75°	121.4
77.5°	100.0
80°	78.5
82.5°	55.7
85°	32.8
87.5°	11.4
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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