

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: P773961

Luminaire Tested: LD6D90BD010-EU6DR6570959030-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773961
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR6570959030-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

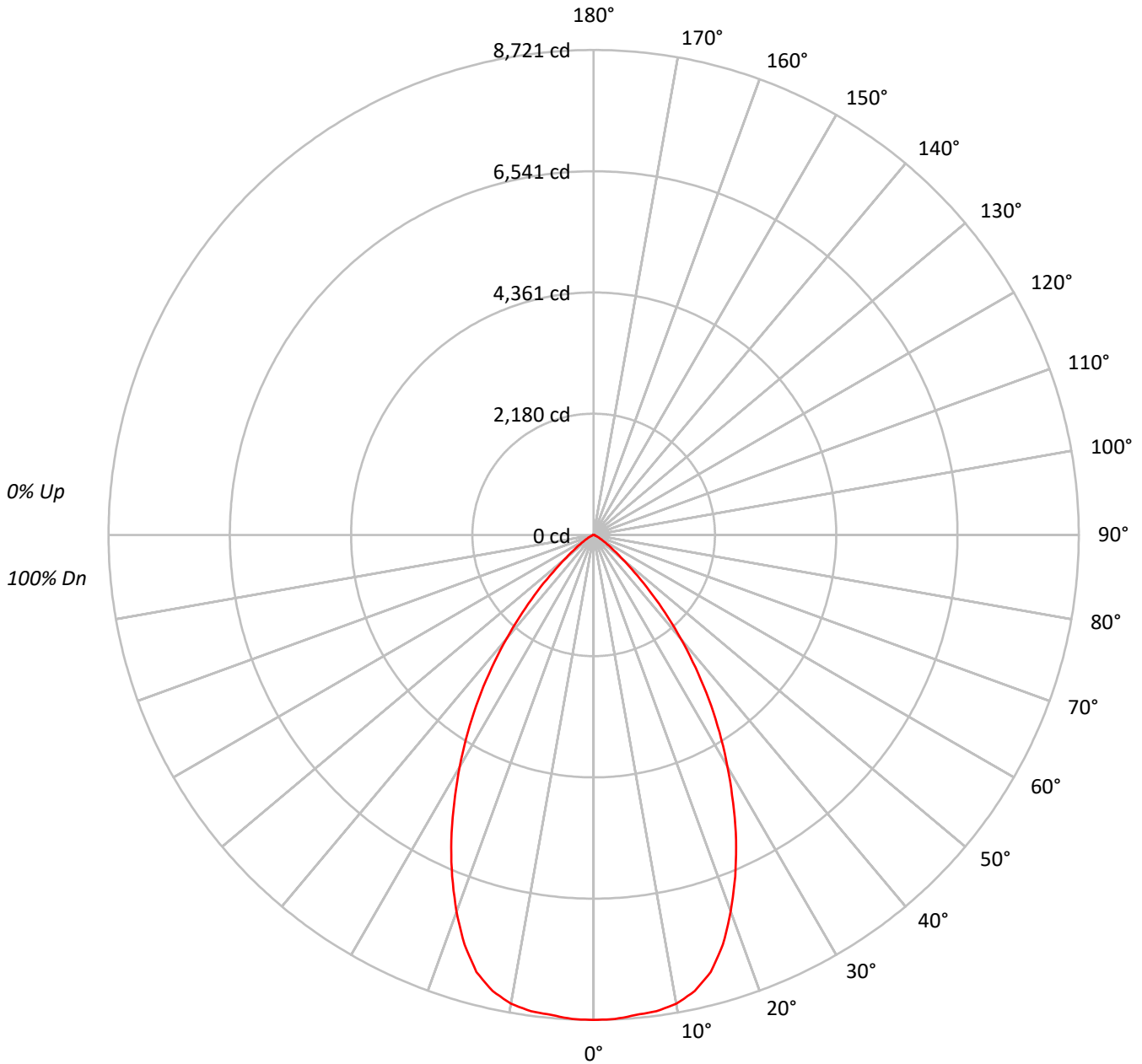
Lumens per Lamp: N/A
Luminaire Lumens: 9605.4 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

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	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	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	509364
5°	508079
10°	507649
15°	491997
20°	447905
25°	390322
30°	324638
35°	257229
40°	185654
45°	117286
50°	61140
55°	32492
60°	17066
65°	9383
70°	3945
75°	4333
80°	3027
85°	2546

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 117286 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	824.8	8.6
10°-20°	2258.5	23.5
20°-30°	2760.7	28.7
30°-40°	2240.0	23.3
40°-50°	1116.2	11.6
50°-60°	311.3	3.2
60°-70°	70.7	0.7
70°-80°	18.4	0.2
80°-90°	4.7	0.0
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°	5844.0	60.8
0°-40°	8084.0	84.2
0°-60°	9511.5	99.0
0°-90°	9605.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9605.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8721	
5°	8666	825
15°	8137	2259
25°	6057	2761
35°	3608	2240
45°	1420	1116
55°	319	311
65°	68	71
75°	19	18
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8721.4
2.5°	8715.0
5°	8666.3
7.5°	8638.1
10°	8560.0
12.5°	8401.0
15°	8137.0
17.5°	7724.3
20°	7206.6
22.5°	6647.8
25°	6057.0
27.5°	5425.1
30°	4813.8
32.5°	4210.1
35°	3607.8
37.5°	3006.7
40°	2435.1
42.5°	1899.4
45°	1420.0
47.5°	989.4
50°	672.9
52.5°	463.9
55°	319.1
57.5°	215.3
60°	146.1
62.5°	101.2
65°	67.9
67.5°	34.6
70°	23.1
72.5°	21.8
75°	19.2
77.5°	12.8
80°	9.0
82.5°	6.4
85°	3.8
87.5°	2.6
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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(END OF REPORT)