

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: P768501

Luminaire Tested: LD6D55D010-EU6DR6555659030-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768501
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: LD6D55D010-EU6DR6555659030-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

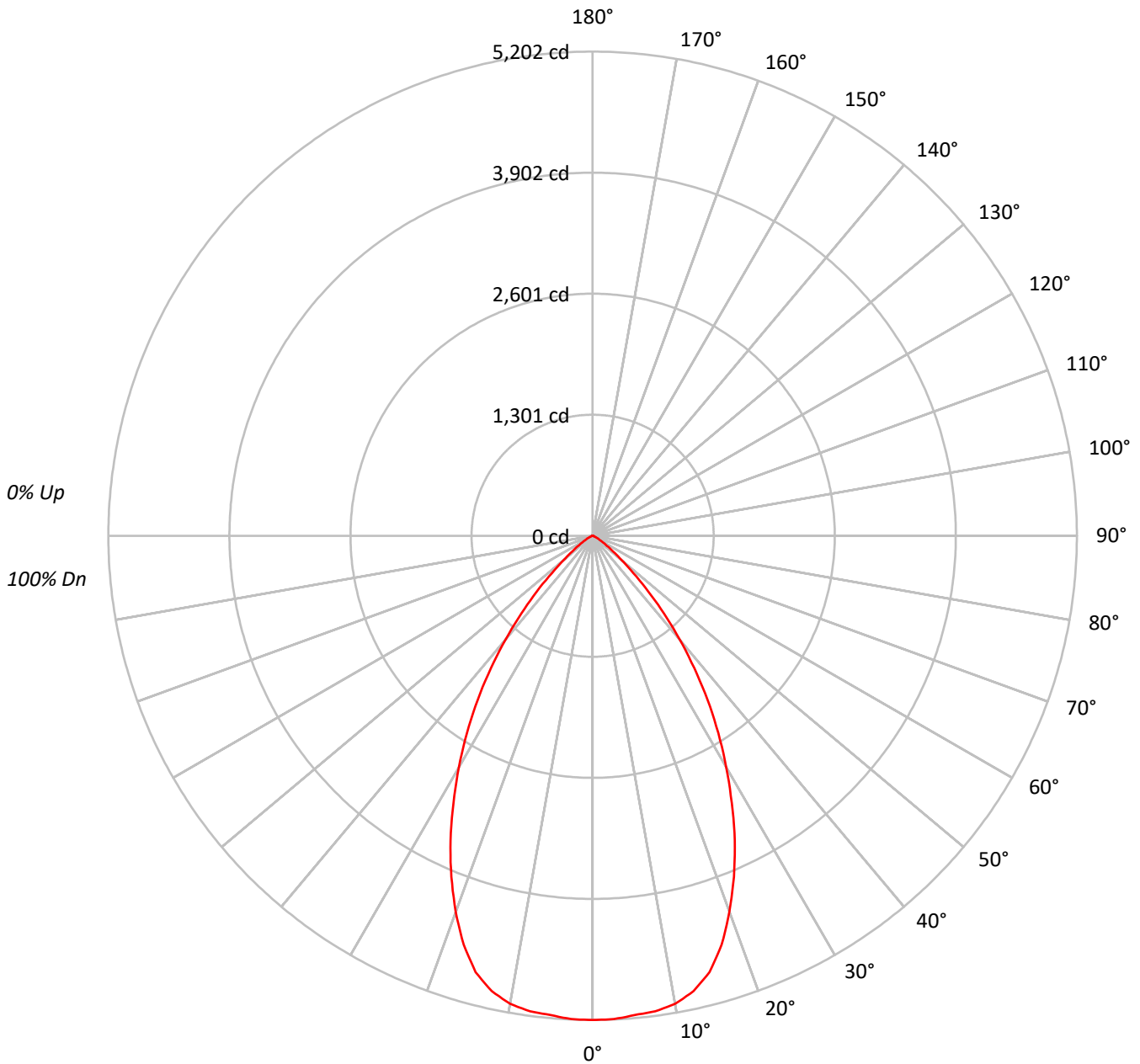
Lumens per Lamp: N/A
Luminaire Lumens: 5729.6 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 58.2
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°	303834
5°	303066
10°	302805
15°	293475
20°	267173
25°	232821
30°	193644
35°	153433
40°	110740
45°	69958
50°	36471
55°	19387
60°	10186
65°	5597
70°	2357
75°	2595
80°	1816
85°	1541

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 69958 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.0	8.6
10°-20°	1347.2	23.5
20°-30°	1646.7	28.7
30°-40°	1336.1	23.3
40°-50°	665.8	11.6
50°-60°	185.7	3.2
60°-70°	42.2	0.7
70°-80°	11.0	0.2
80°-90°	2.8	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°	3485.9	60.8
0°-40°	4822.0	84.2
0°-60°	5673.6	99.0
0°-90°	5729.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5729.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5202	
5°	5169	492
15°	4854	1347
25°	3613	1647
35°	2152	1336
45°	847	666
55°	190	186
65°	40	42
75°	12	11
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5202.3
2.5°	5198.4
5°	5169.4
7.5°	5152.6
10°	5105.9
12.5°	5011.1
15°	4853.7
17.5°	4607.5
20°	4298.7
22.5°	3965.3
25°	3612.9
27.5°	3236.0
30°	2871.4
32.5°	2511.3
35°	2152.0
37.5°	1793.5
40°	1452.5
42.5°	1133.0
45°	847.0
47.5°	590.2
50°	401.4
52.5°	276.7
55°	190.4
57.5°	128.4
60°	87.2
62.5°	60.4
65°	40.5
67.5°	20.6
70°	13.8
72.5°	13.0
75°	11.5
77.5°	7.6
80°	5.4
82.5°	3.8
85°	2.3
87.5°	1.5
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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