

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: P769346

Luminaire Tested: LD6D60D010-EU6DR7055659027-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D60D010-EU6DR7055659027-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

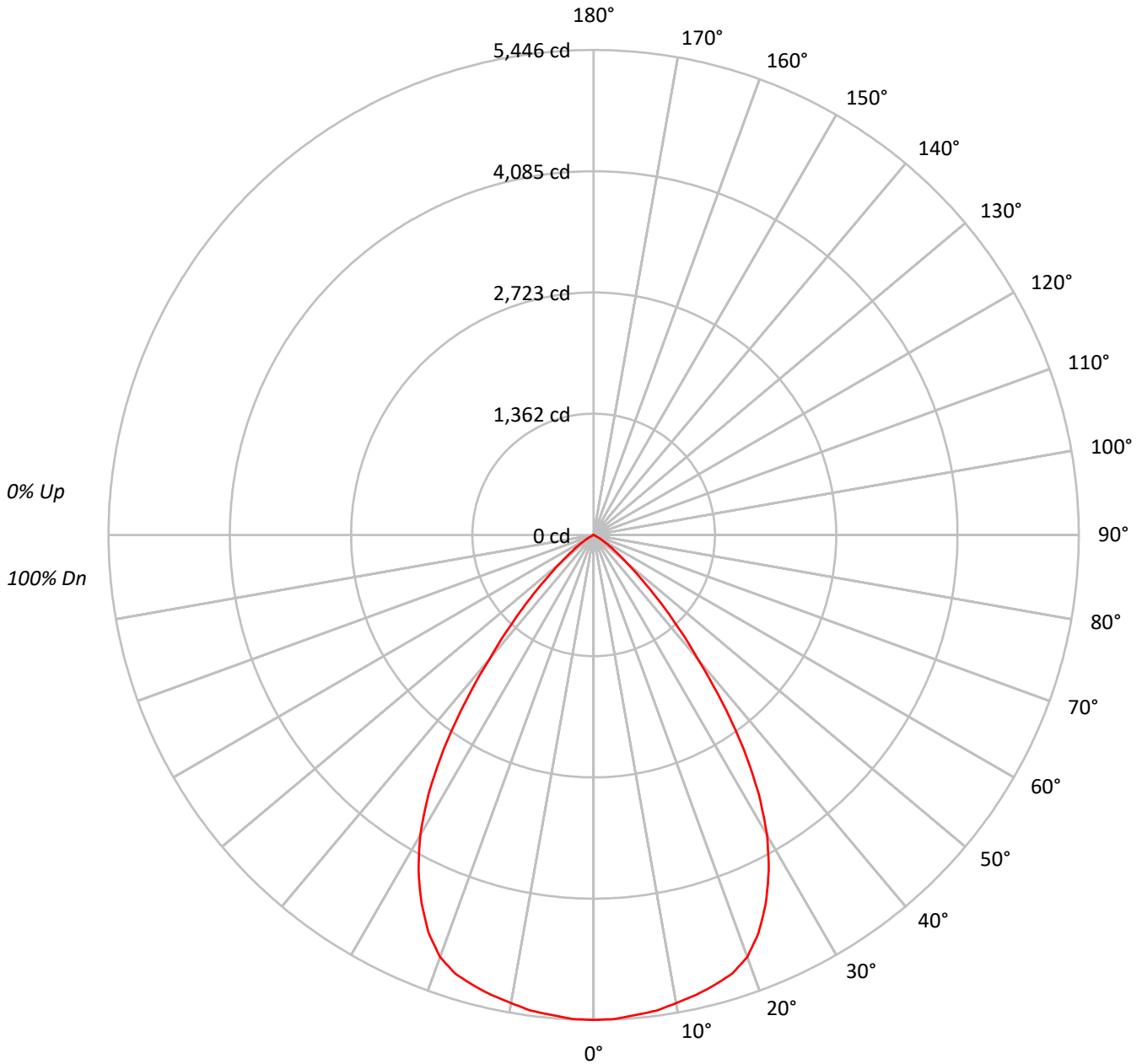
Lumens per Lamp: N/A
Luminaire Lumens: 6900.0 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): 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				
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93				
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85				
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78				
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71				
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65				
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60				
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56				
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51				
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48				
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	595034
5°	593556
10°	592265
15°	592101
20°	586318
25°	550772
30°	491003
35°	391478
40°	259943
45°	155414
50°	80570
55°	42346
60°	14991
65°	259
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 155414 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.7	7.5
10°-20°	1476.0	21.4
20°-30°	2082.3	30.2
30°-40°	1797.5	26.1
40°-50°	805.0	11.7
50°-60°	210.8	3.1
60°-70°	13.7	0.2
70°-80°	0.0	0.0
80°-90°	0.0	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°	4073.0	59.0
0°-40°	5870.5	85.1
0°-60°	6886.3	99.8
0°-90°	6900.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6900.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5446	
5°	5412	515
15°	5234	1476
25°	4569	2082
35°	2935	1798
45°	1006	805
55°	222	211
65°	1	14
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5446.0
2.5°	5440.2
5°	5411.8
7.5°	5388.3
10°	5338.3
12.5°	5293.3
15°	5234.5
17.5°	5166.9
20°	5042.6
22.5°	4837.9
25°	4568.6
27.5°	4256.2
30°	3891.8
32.5°	3446.3
35°	2935.0
37.5°	2371.0
40°	1822.5
42.5°	1384.8
45°	1005.8
47.5°	693.4
50°	474.0
52.5°	327.1
55°	222.3
57.5°	134.2
60°	68.6
62.5°	21.5
65°	1.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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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