

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: P768408

Luminaire Tested: LD6D55D010-EU6DR6055659024-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768408
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: LD6D55D010-EU6DR6055659024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4464.8 lumens
Efficiency: N/A
Efficacy: 76.7 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

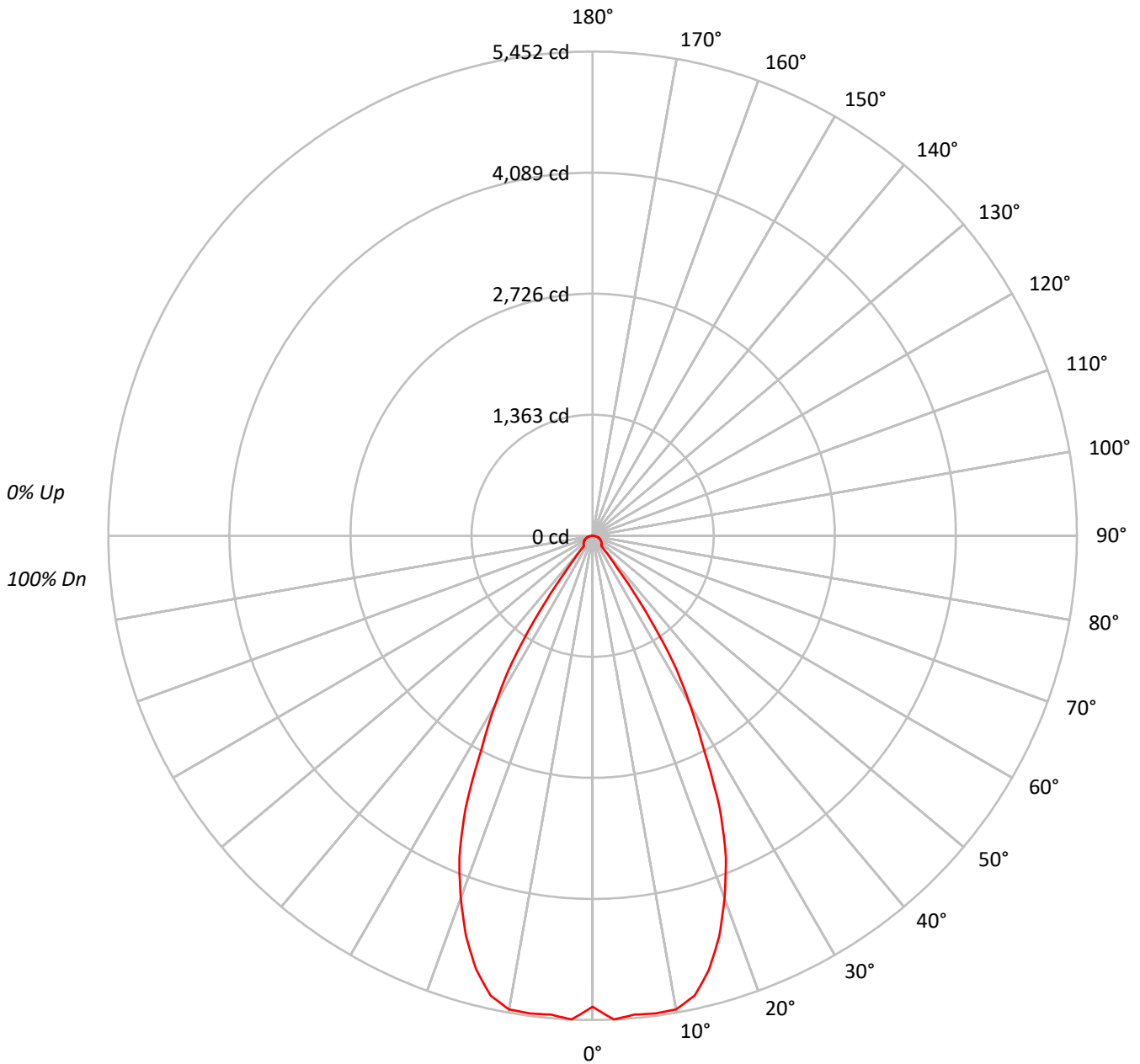
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	579355
5°	593600
10°	600763
15°	572306
20°	504601
25°	408142
30°	276071
35°	138345
40°	22436
45°	21972
50°	22403
55°	22745
60°	23382
65°	23914
70°	24470
75°	24780
80°	23910
85°	19933

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 24780 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.3	11.6
10°-20°	1399.5	31.3
20°-30°	1505.8	33.7
30°-40°	654.5	14.7
40°-50°	109.9	2.5
50°-60°	106.9	2.4
60°-70°	91.5	2.0
70°-80°	61.2	1.4
80°-90°	18.3	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°	3422.5	76.7
0°-40°	4077.0	91.3
0°-60°	4293.9	96.2
0°-90°	4464.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4464.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5302	
5°	5412	517
15°	5060	1399
25°	3386	1506
35°	1037	655
45°	142	110
55°	119	107
65°	92	91
75°	59	61
85°	16	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5302.5
2.5°	5451.5
5°	5412.2
7.5°	5424.6
10°	5414.9
12.5°	5303.1
15°	5059.5
17.5°	4732.5
20°	4339.8
22.5°	3919.6
25°	3385.5
27.5°	2707.8
30°	2188.2
32.5°	1686.5
35°	1037.2
37.5°	443.7
40°	157.3
42.5°	144.9
45°	142.2
47.5°	137.3
50°	131.8
52.5°	125.6
55°	119.4
57.5°	113.2
60°	107.0
62.5°	100.1
65°	92.5
67.5°	84.9
70°	76.6
72.5°	67.6
75°	58.7
77.5°	48.3
80°	38.0
82.5°	26.9
85°	15.9
87.5°	5.5
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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