

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P768474

Luminaire Tested: LD6D55D010-EU6DR6055659050-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768474
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-EU6DR6055659050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6252.8 lumens
Efficiency: N/A
Efficacy: 107.4 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

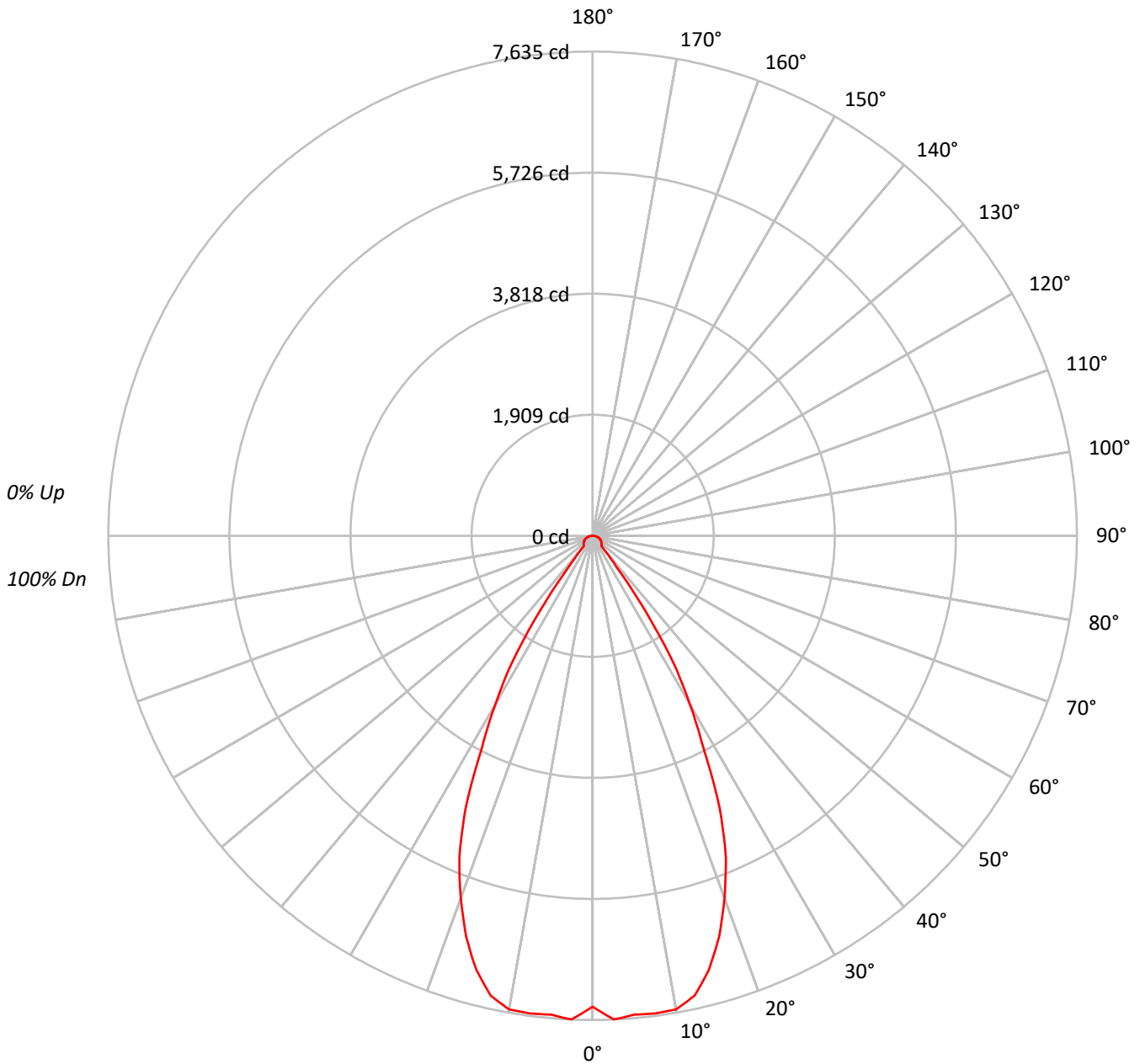
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93															
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86				86															
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80				80															
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75				75															
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70				70															
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66				66															
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62				62															
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59				59															
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55				55															
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53				53															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	811370
5°	831327
10°	841372
15°	801522
20°	706695
25°	571592
30°	386628
35°	193738
40°	31421
45°	30765
50°	31378
55°	31850
60°	32735
65°	33480
70°	34278
75°	34659
80°	33474
85°	27831

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 34659 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	724.4	11.6
10°-20°	1960.0	31.3
20°-30°	2108.8	33.7
30°-40°	916.6	14.7
40°-50°	153.9	2.5
50°-60°	149.7	2.4
60°-70°	128.0	2.0
70°-80°	85.7	1.4
80°-90°	25.6	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°	4793.2	76.7
0°-40°	5709.8	91.3
0°-60°	6013.5	96.2
0°-90°	6252.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6252.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7426	
5°	7580	724
15°	7086	1960
25°	4741	2109
35°	1452	917
45°	199	154
55°	167	150
65°	130	128
75°	82	86
85°	22	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7426.0
2.5°	7634.8
5°	7579.7
7.5°	7597.1
10°	7583.6
12.5°	7427.0
15°	7085.9
17.5°	6627.8
20°	6077.9
22.5°	5489.3
25°	4741.3
27.5°	3792.3
30°	3064.5
32.5°	2362.0
35°	1452.5
37.5°	621.4
40°	220.3
42.5°	202.9
45°	199.1
47.5°	192.3
50°	184.6
52.5°	175.9
55°	167.2
57.5°	158.5
60°	149.8
62.5°	140.1
65°	129.5
67.5°	118.9
70°	107.3
72.5°	94.7
75°	82.1
77.5°	67.6
80°	53.2
82.5°	37.7
85°	22.2
87.5°	7.7
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)