

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: P768010

Luminaire Tested: LD6D55D010-EU6DR3555659024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D55D010-EU6DR3555659024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4612.8 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

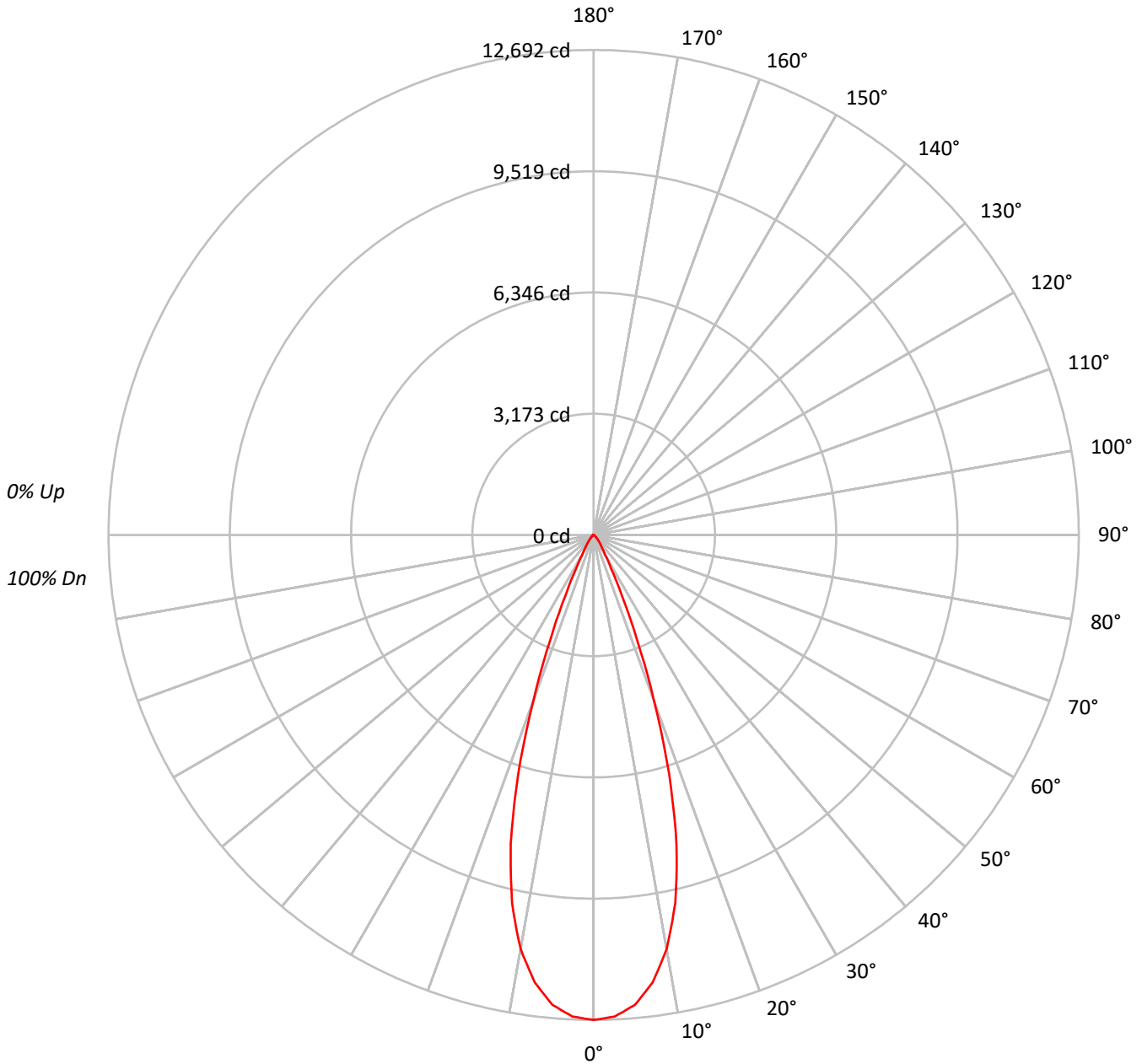
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96			96
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92			92
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88			88
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84			84
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81			81
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78			78
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75			75
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72			72
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70			70
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68			68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1386737
5°	1354152
10°	1220453
15°	947259
20°	537274
25°	209020
30°	77982
35°	42749
40°	27941
45°	17012
50°	10828
55°	7639
60°	5594
65°	3051
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17012 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1135.5	24.6
10°-20°	2217.0	48.1
20°-30°	904.2	19.6
30°-40°	216.4	4.7
40°-50°	90.2	2.0
50°-60°	37.3	0.8
60°-70°	11.7	0.3
70°-80°	0.3	0.0
80°-90°	0.2	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°	4256.7	92.3
0°-40°	4473.1	97.0
0°-60°	4600.6	99.7
0°-90°	4612.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4612.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12692	
5°	12347	###
15°	8374	2217
25°	1734	904
35°	320	216
45°	110	90
55°	40	37
65°	12	12
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12692.0
2.5°	12615.8
5°	12346.6
7.5°	11809.5
10°	11000.4
12.5°	9861.1
15°	8374.3
17.5°	6556.1
20°	4620.8
22.5°	2946.5
25°	1733.8
27.5°	980.1
30°	618.1
32.5°	434.0
35°	320.5
37.5°	247.8
40°	195.9
42.5°	150.9
45°	110.1
47.5°	82.4
50°	63.7
52.5°	50.5
55°	40.1
57.5°	32.5
60°	25.6
62.5°	18.7
65°	11.8
67.5°	4.2
70°	0.7
72.5°	0.7
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.7
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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