

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: P768403

Luminaire Tested: LD6D55D010-EU6DR6055659024-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768403
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-EU6DR6055659024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5067.0 lumens
Efficiency: N/A
Efficacy: 87.1 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

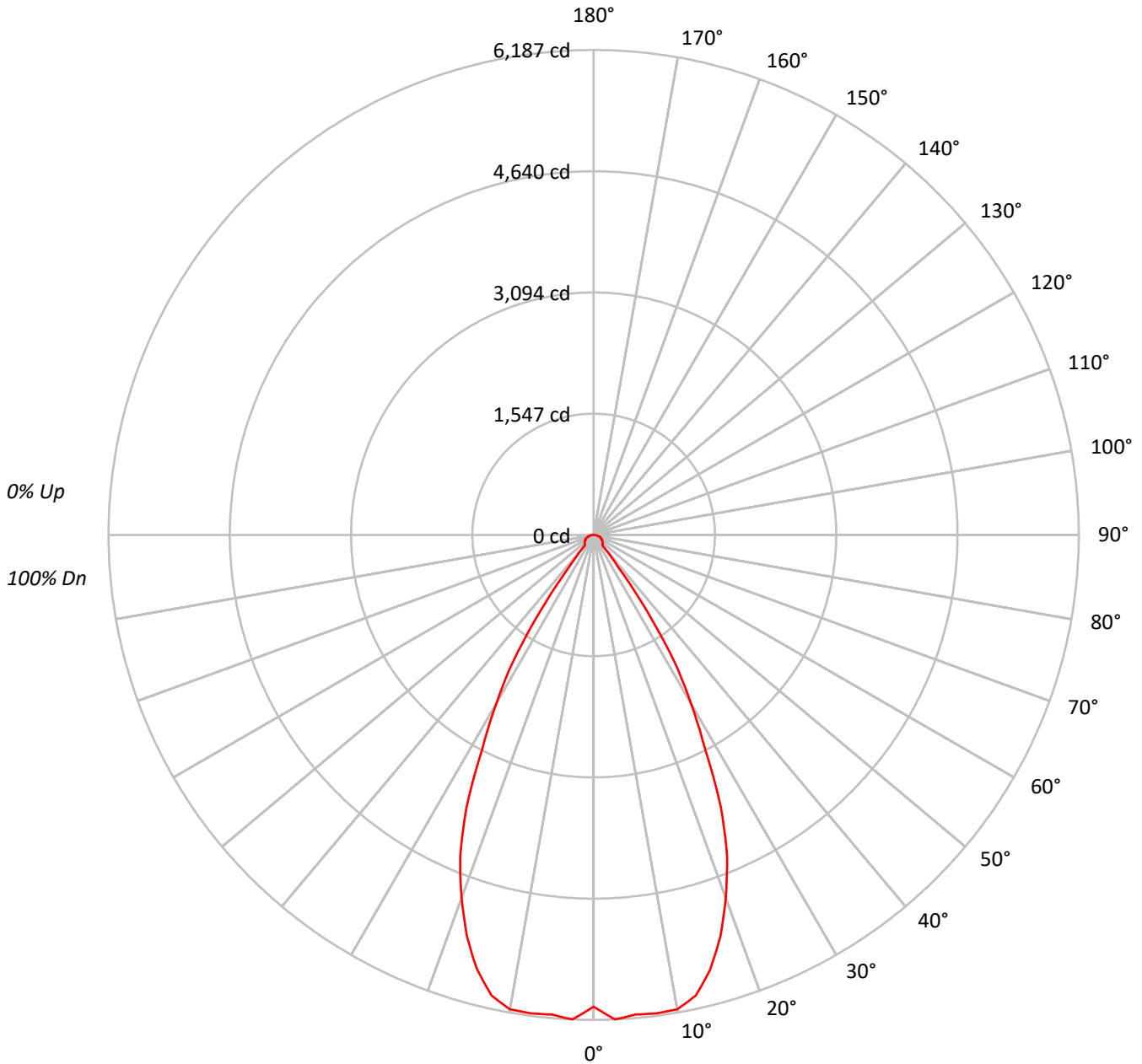
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	657498
5°	673665
10°	681798
15°	649507
20°	572667
25°	463188
30°	313314
35°	157005
40°	25474
45°	24924
50°	25429
55°	25811
60°	26529
65°	27120
70°	27761
75°	28115
80°	27119
85°	22565

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 28115 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	587.0	11.6
10°-20°	1588.3	31.3
20°-30°	1708.9	33.7
30°-40°	742.8	14.7
40°-50°	124.8	2.5
50°-60°	121.3	2.4
60°-70°	103.7	2.0
70°-80°	69.4	1.4
80°-90°	20.8	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°	3884.2	76.7
0°-40°	4627.0	91.3
0°-60°	4873.1	96.2
0°-90°	5067.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5067.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6018	
5°	6142	587
15°	5742	1588
25°	3842	1709
35°	1177	743
45°	161	125
55°	136	121
65°	105	104
75°	67	69
85°	18	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6017.7
2.5°	6186.9
5°	6142.2
7.5°	6156.3
10°	6145.3
12.5°	6018.5
15°	5742.0
17.5°	5370.8
20°	4925.2
22.5°	4448.3
25°	3842.1
27.5°	3073.1
30°	2483.4
32.5°	1914.0
35°	1177.1
37.5°	503.6
40°	178.6
42.5°	164.5
45°	161.3
47.5°	155.8
50°	149.6
52.5°	142.5
55°	135.5
57.5°	128.4
60°	121.4
62.5°	113.6
65°	104.9
67.5°	96.3
70°	86.9
72.5°	76.7
75°	66.6
77.5°	54.8
80°	43.1
82.5°	30.5
85°	18.0
87.5°	6.3
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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