

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: P768595

Luminaire Tested: LD6D55D010-EU6DR7055659035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D55D010-EU6DR7055659035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3864.2 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

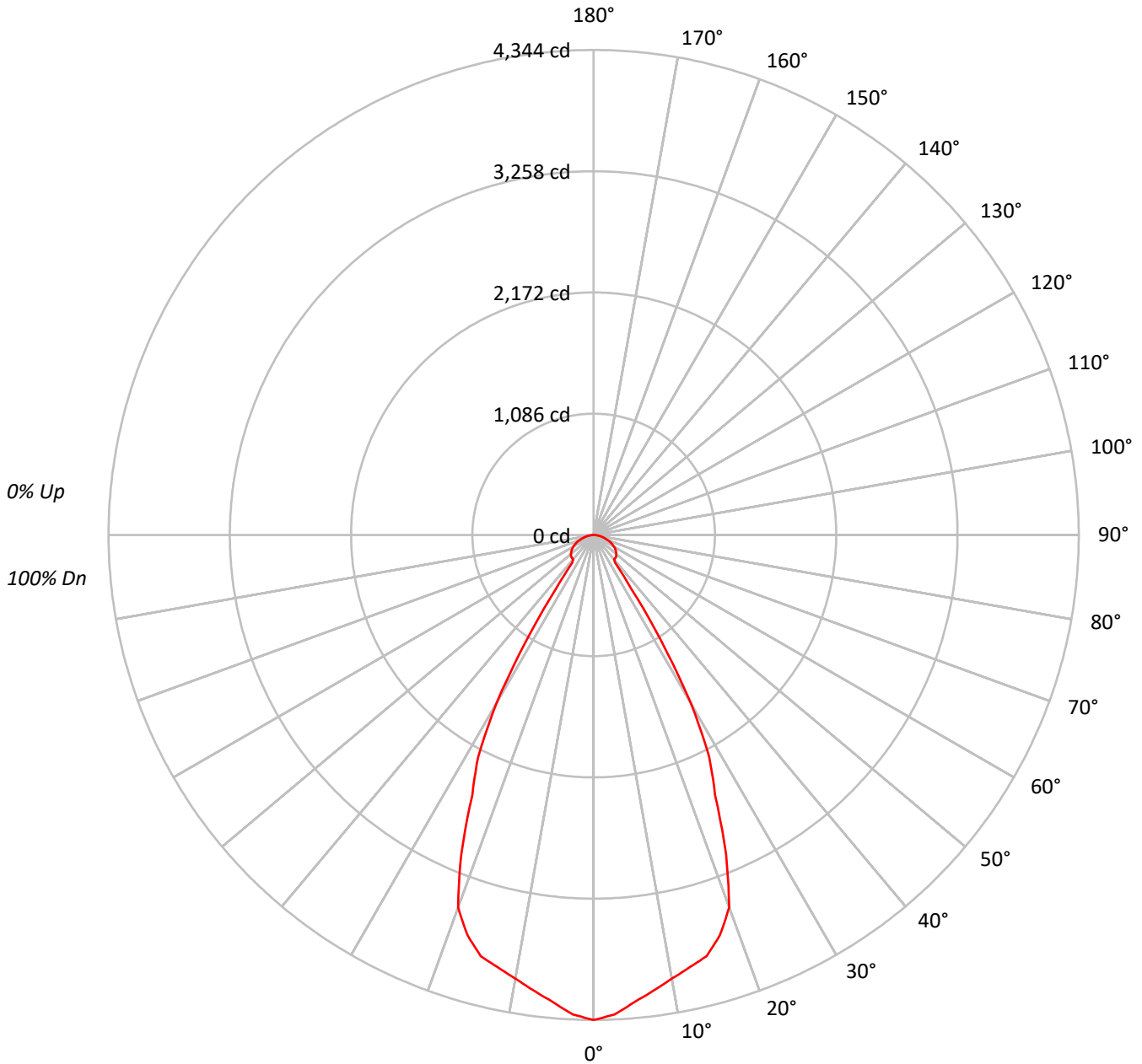
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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																			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	474683
5°	460582
10°	447746
15°	441861
20°	412618
25°	309973
30°	219121
35°	77615
40°	40806
45°	43466
50°	45011
55°	45870
60°	46152
65°	45166
70°	42616
75°	39471
80°	35047
85°	28457

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 46161 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.1	10.3
10°-20°	1086.5	28.1
20°-30°	1196.6	31.0
30°-40°	457.2	11.8
40°-50°	215.9	5.6
50°-60°	214.6	5.6
60°-70°	171.8	4.4
70°-80°	98.7	2.6
80°-90°	26.8	0.7
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°	2679.1	69.3
0°-40°	3136.3	81.2
0°-60°	3566.8	92.3
0°-90°	3864.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3864.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4344	
5°	4199	396
15°	3906	1086
25°	2571	1197
35°	582	457
45°	281	216
55°	241	215
65°	175	172
75°	94	99
85°	23	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4344.5
2.5°	4299.1
5°	4199.4
7.5°	4116.1
10°	4035.7
12.5°	3967.6
15°	3906.3
17.5°	3758.5
20°	3548.7
22.5°	3096.1
25°	2571.2
27.5°	2238.3
30°	1736.8
32.5°	1121.9
35°	581.9
37.5°	314.4
40°	286.1
42.5°	284.1
45°	281.3
47.5°	275.1
50°	264.8
52.5°	253.1
55°	240.8
57.5°	227.0
60°	211.2
62.5°	193.3
65°	174.7
67.5°	154.1
70°	133.4
72.5°	112.8
75°	93.5
77.5°	73.6
80°	55.7
82.5°	39.2
85°	22.7
87.5°	8.9
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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(END OF REPORT)