

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: P768596

Luminaire Tested: LD6D55D010-EU6DR7055659035-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768596
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-EU6DR7055659035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6641.6 lumens
Efficiency: N/A
Efficacy: 114.1 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

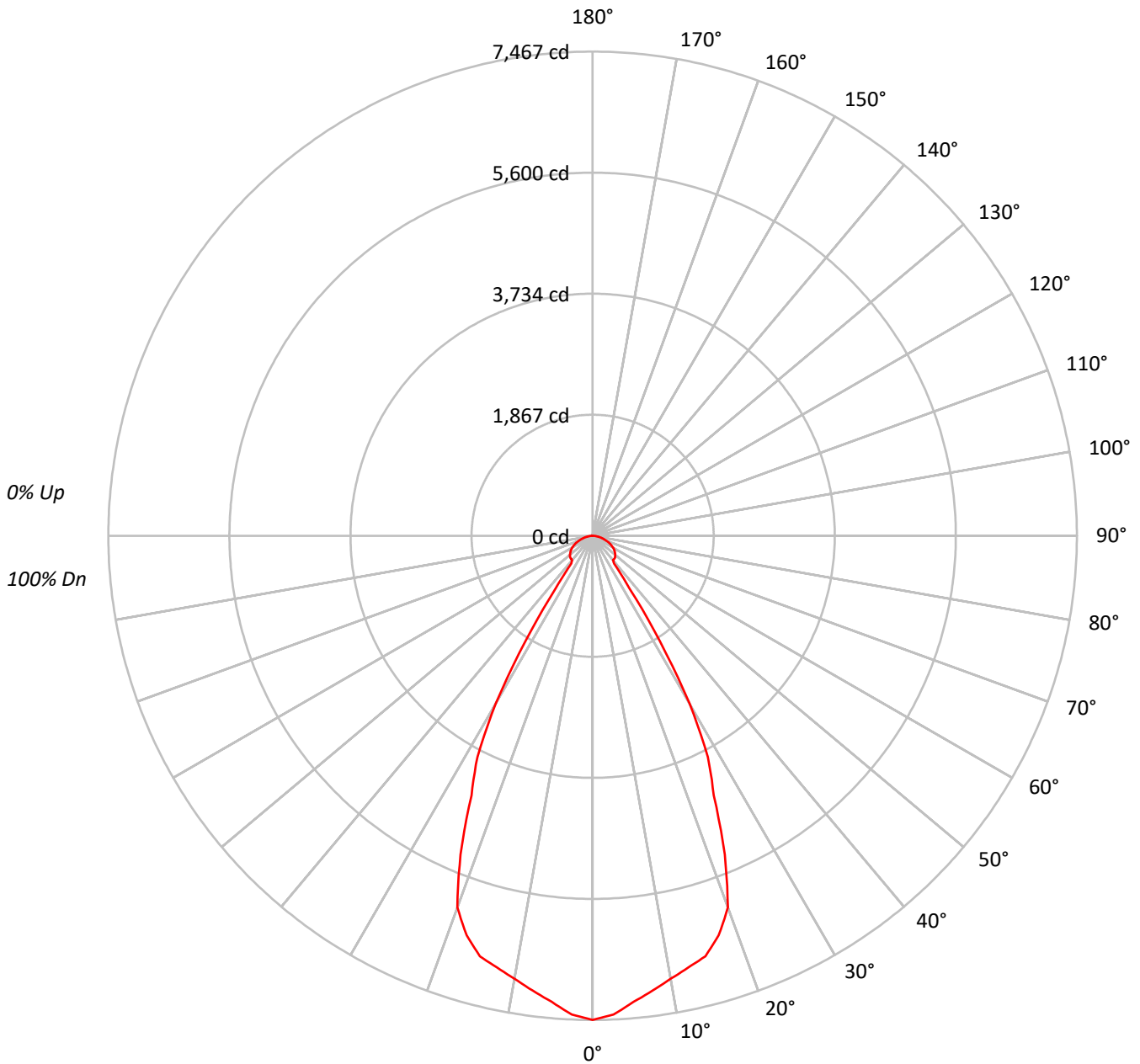
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	815861
5°	791613
10°	769557
15°	759454
20°	709171
25°	532761
30°	376623
35°	133409
40°	70145
45°	74709
50°	77375
55°	78825
60°	79323
65°	77637
70°	73283
75°	67882
80°	60278
85°	48891

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 79327 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	680.8	10.3
10°-20°	1867.3	28.1
20°-30°	2056.6	31.0
30°-40°	785.8	11.8
40°-50°	371.0	5.6
50°-60°	368.9	5.6
60°-70°	295.3	4.4
70°-80°	169.8	2.6
80°-90°	46.2	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°	4604.7	69.3
0°-40°	5390.5	81.2
0°-60°	6130.4	92.3
0°-90°	6641.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6641.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7467	
5°	7218	681
15°	6714	1867
25°	4419	2057
35°	1000	786
45°	484	371
55°	414	369
65°	300	295
75°	161	170
85°	39	46
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7467.1
2.5°	7389.1
5°	7217.6
7.5°	7074.6
10°	6936.3
12.5°	6819.2
15°	6714.0
17.5°	6459.8
20°	6099.2
22.5°	5321.3
25°	4419.2
27.5°	3847.0
30°	2985.2
32.5°	1928.2
35°	1000.2
37.5°	540.3
40°	491.8
42.5°	488.3
45°	483.5
47.5°	472.9
50°	455.2
52.5°	435.1
55°	413.8
57.5°	390.1
60°	363.0
62.5°	332.2
65°	300.3
67.5°	264.8
70°	229.4
72.5°	193.9
75°	160.8
77.5°	126.5
80°	95.8
82.5°	67.4
85°	39.0
87.5°	15.4
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)