

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: P768583

Luminaire Tested: LD6D55D010-EU6DR7055659030-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768583
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-EU6DR7055659030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6572.4 lumens
Efficiency: N/A
Efficacy: 112.9 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

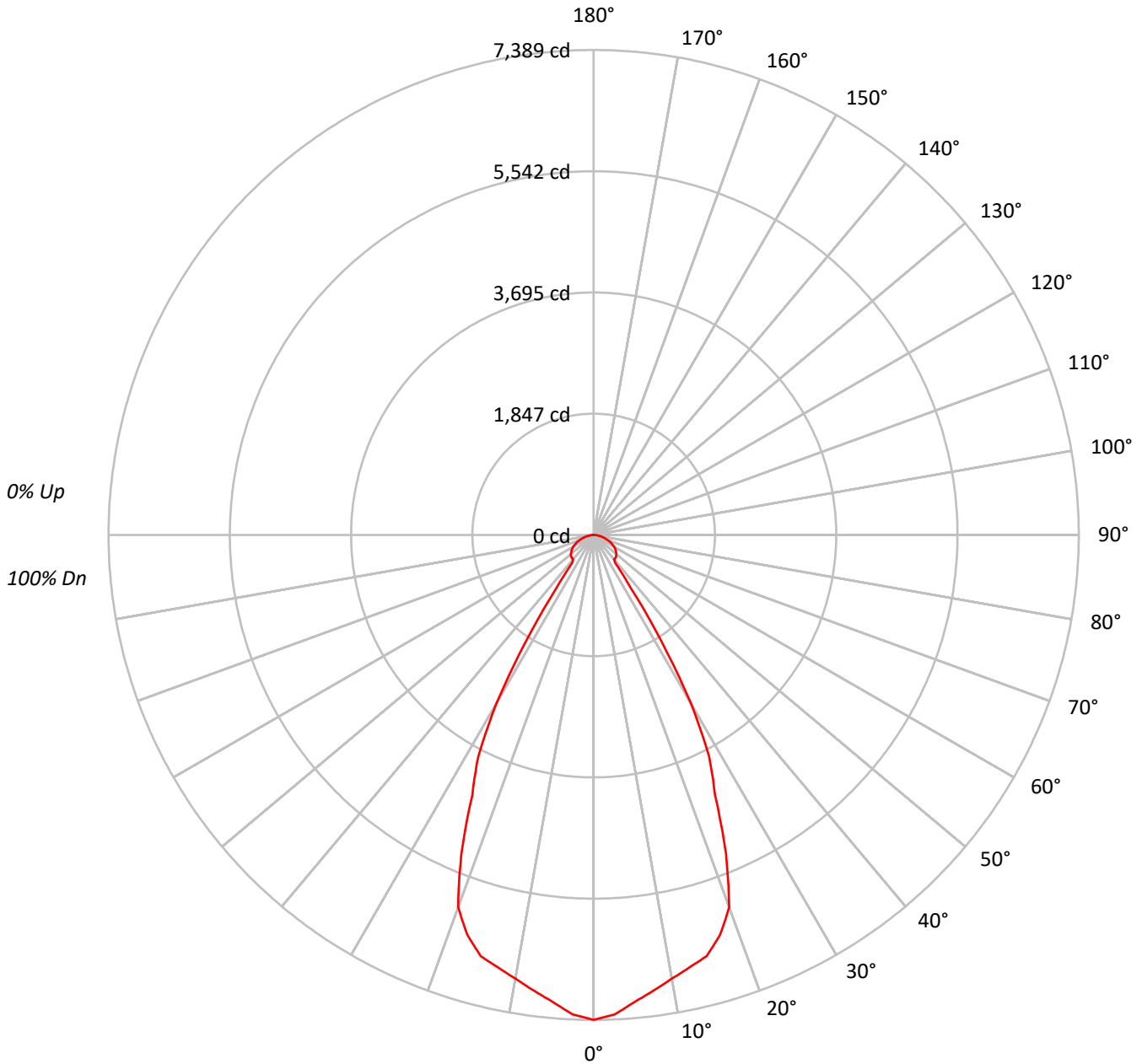
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	807360
5°	783365
10°	761535
15°	751536
20°	701777
25°	527215
30°	372699
35°	132022
40°	69418
45°	73937
50°	76559
55°	78006
60°	78493
65°	76836
70°	72517
75°	67164
80°	59649
85°	48390

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 78514 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	673.7	10.3
10°-20°	1847.9	28.1
20°-30°	2035.2	31.0
30°-40°	777.6	11.8
40°-50°	367.2	5.6
50°-60°	365.0	5.6
60°-70°	292.3	4.4
70°-80°	168.0	2.6
80°-90°	45.7	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°	4556.7	69.3
0°-40°	5334.3	81.2
0°-60°	6066.5	92.3
0°-90°	6572.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6572.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7389	
5°	7142	674
15°	6644	1848
25°	4373	2035
35°	990	778
45°	478	367
55°	410	365
65°	297	292
75°	159	168
85°	39	46
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7389.3
2.5°	7312.0
5°	7142.4
7.5°	7000.8
10°	6864.0
12.5°	6748.1
15°	6644.0
17.5°	6392.5
20°	6035.6
22.5°	5265.8
25°	4373.2
27.5°	3806.9
30°	2954.1
32.5°	1908.1
35°	989.8
37.5°	534.7
40°	486.7
42.5°	483.2
45°	478.5
47.5°	468.0
50°	450.4
52.5°	430.5
55°	409.5
57.5°	386.1
60°	359.2
62.5°	328.7
65°	297.2
67.5°	262.1
70°	227.0
72.5°	191.9
75°	159.1
77.5°	125.2
80°	94.8
82.5°	66.7
85°	38.6
87.5°	15.2
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)