

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: P750532

Luminaire Tested: LD4D55D010-EU4DR7055659035-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750532
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: LD4D55D010-EU4DR7055659035-4LBDP1H
Description: 4 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: 5581.2 lumens
Efficiency: N/A
Efficacy: 95.9 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

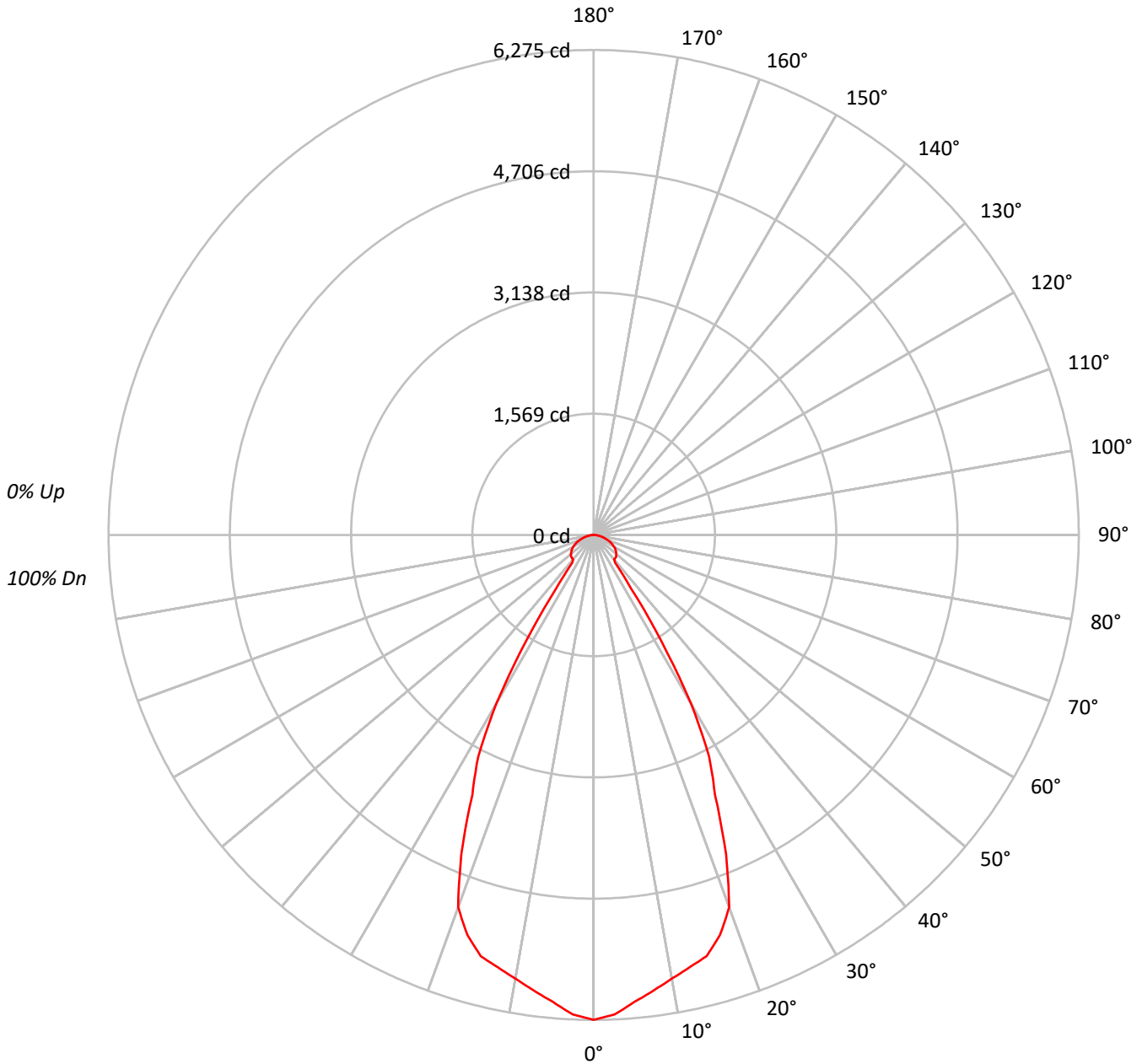
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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					70					50					30				
RW	70	50	30	10	70	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°	685600
5°	665220
10°	646684
15°	638195
20°	595945
25°	447708
30°	316494
35°	112108
40°	58949
45°	62781
50°	65017
55°	66233
60°	66649
65°	65228
70°	61559
75°	57033
80°	50651
85°	41119

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 66679 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.1	10.3
10°-20°	1569.2	28.1
20°-30°	1728.3	31.0
30°-40°	660.3	11.8
40°-50°	311.8	5.6
50°-60°	310.0	5.6
60°-70°	248.2	4.4
70°-80°	142.6	2.6
80°-90°	38.8	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°	3869.5	69.3
0°-40°	4529.9	81.2
0°-60°	5151.6	92.3
0°-90°	5581.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5581.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6275	
5°	6065	572
15°	5642	1569
25°	3714	1728
35°	840	660
45°	406	312
55°	348	310
65°	252	248
75°	135	143
85°	33	39
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6274.9
2.5°	6209.3
5°	6065.2
7.5°	5945.0
10°	5828.8
12.5°	5730.4
15°	5642.0
17.5°	5428.4
20°	5125.4
22.5°	4471.7
25°	3713.7
27.5°	3232.8
30°	2508.6
32.5°	1620.4
35°	840.5
37.5°	454.0
40°	413.3
42.5°	410.3
45°	406.3
47.5°	397.4
50°	382.5
52.5°	365.6
55°	347.7
57.5°	327.9
60°	305.0
62.5°	279.2
65°	252.3
67.5°	222.5
70°	192.7
72.5°	162.9
75°	135.1
77.5°	106.3
80°	80.5
82.5°	56.6
85°	32.8
87.5°	12.9
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)