

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: P750558

Luminaire Tested: LD4D55D010-EU4DR7055659050-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750558
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-EU4DR7055659050-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5883.8 lumens
Efficiency: N/A
Efficacy: 101.1 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 (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

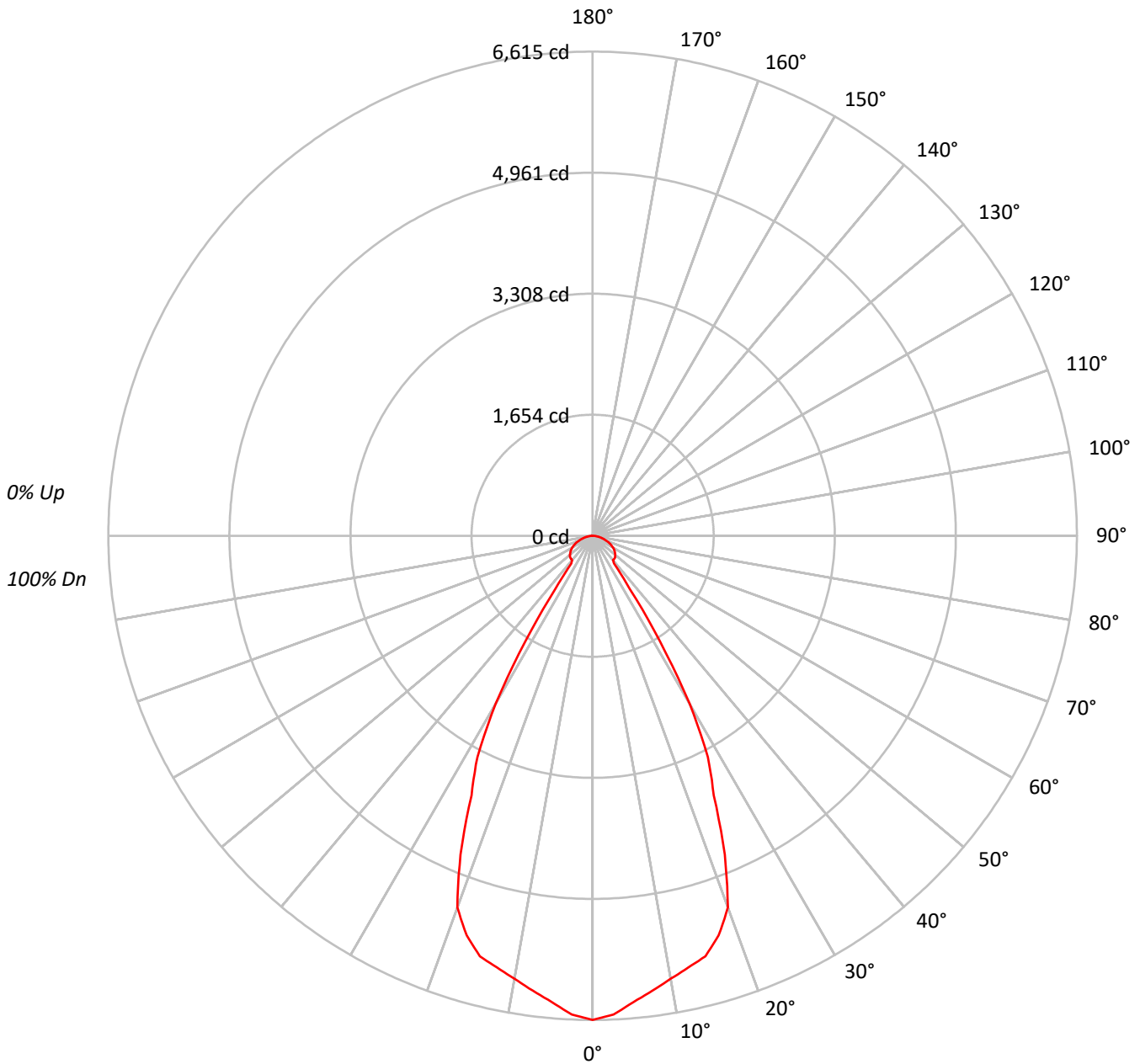


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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°	722771
5°	701293
10°	681754
15°	672808
20°	628257
25°	471976
30°	333652
35°	118190
40°	62144
45°	66196
50°	68536
55°	69834
60°	70255
65°	68770
70°	64914
75°	60114
80°	53357
85°	43375

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 70278 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	603.1	10.3
10°-20°	1654.3	28.1
20°-30°	1822.0	31.0
30°-40°	696.1	11.8
40°-50°	328.7	5.6
50°-60°	326.8	5.6
60°-70°	261.6	4.4
70°-80°	150.4	2.6
80°-90°	40.9	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°	4079.4	69.3
0°-40°	4775.5	81.2
0°-60°	5430.9	92.3
0°-90°	5883.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5883.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6615	
5°	6394	603
15°	5948	1654
25°	3915	1822
35°	886	696
45°	428	329
55°	367	327
65°	266	262
75°	142	150
85°	35	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6615.1
2.5°	6546.0
5°	6394.1
7.5°	6267.4
10°	6144.9
12.5°	6041.2
15°	5948.0
17.5°	5722.8
20°	5403.3
22.5°	4714.2
25°	3915.0
27.5°	3408.1
30°	2644.6
32.5°	1708.2
35°	886.1
37.5°	478.6
40°	435.7
42.5°	432.6
45°	428.4
47.5°	418.9
50°	403.2
52.5°	385.4
55°	366.6
57.5°	345.6
60°	321.5
62.5°	294.3
65°	266.0
67.5°	234.6
70°	203.2
72.5°	171.8
75°	142.4
77.5°	112.1
80°	84.8
82.5°	59.7
85°	34.6
87.5°	13.6
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)