

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: P750352

Luminaire Tested: LD4D55D010-EU4DR6055659027-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D55D010-EU4DR6055659027-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4823.4 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

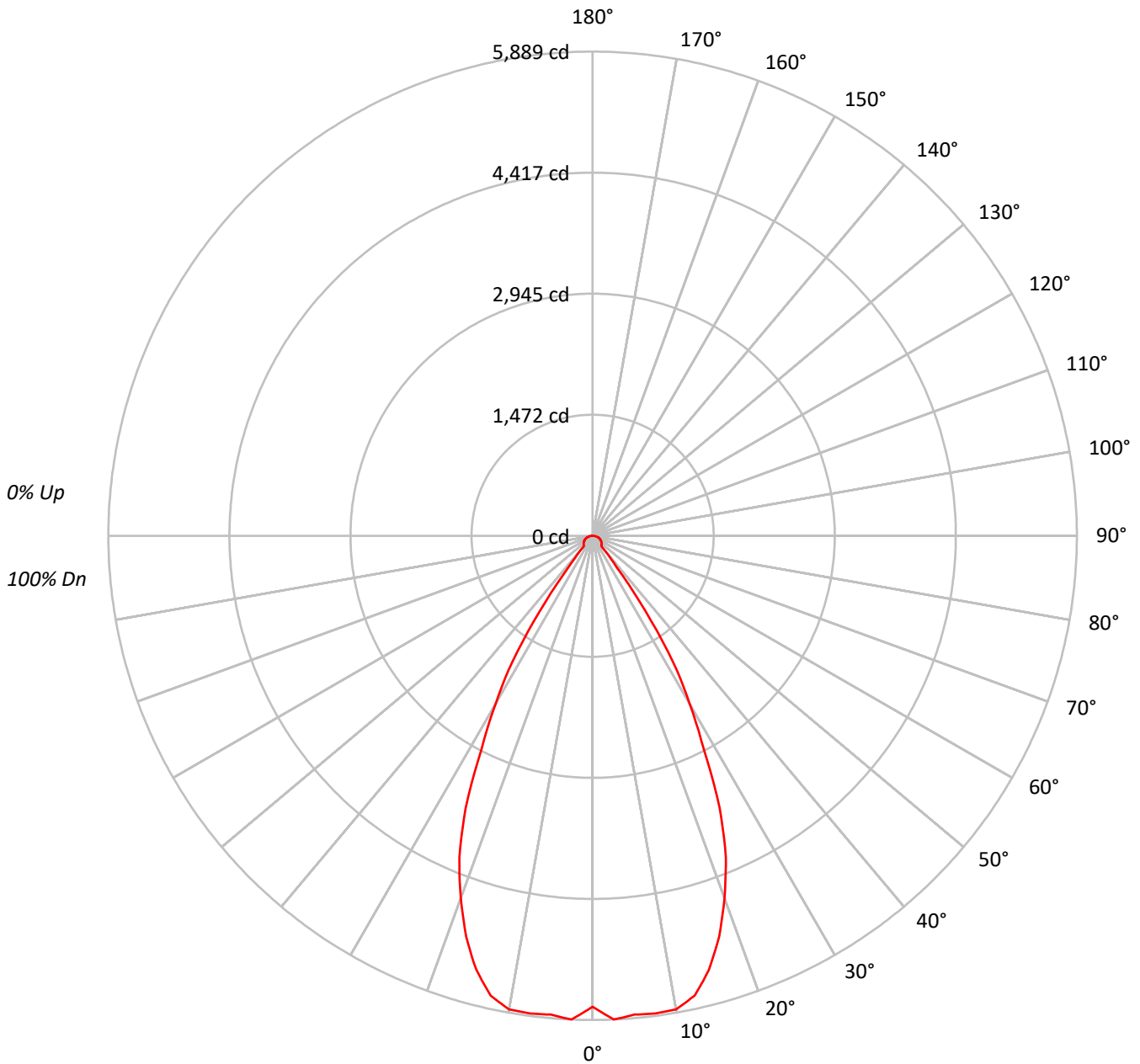


Downlight

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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	625878
5°	641277
10°	649025
15°	618276
20°	545134
25°	440921
30°	298238
35°	149455
40°	24247
45°	23734
50°	24205
55°	24573
60°	25261
65°	25827
70°	26419
75°	26764
80°	25798
85°	21437

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 26764 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	558.8	11.6
10°-20°	1511.9	31.3
20°-30°	1626.7	33.7
30°-40°	707.1	14.7
40°-50°	118.8	2.5
50°-60°	115.5	2.4
60°-70°	98.8	2.0
70°-80°	66.1	1.4
80°-90°	19.8	0.4
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°	3697.4	76.7
0°-40°	4404.5	91.3
0°-60°	4638.8	96.2
0°-90°	4823.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4823.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5728	
5°	5847	559
15°	5466	1512
25°	3657	1627
35°	1120	707
45°	154	119
55°	129	116
65°	100	99
75°	63	66
85°	17	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5728.3
2.5°	5889.4
5°	5846.9
7.5°	5860.3
10°	5849.9
12.5°	5729.1
15°	5465.9
17.5°	5112.6
20°	4688.4
22.5°	4234.4
25°	3657.4
27.5°	2925.3
30°	2363.9
32.5°	1822.0
35°	1120.5
37.5°	479.3
40°	170.0
42.5°	156.6
45°	153.6
47.5°	148.4
50°	142.4
52.5°	135.7
55°	129.0
57.5°	122.3
60°	115.6
62.5°	108.1
65°	99.9
67.5°	91.7
70°	82.7
72.5°	73.1
75°	63.4
77.5°	52.2
80°	41.0
82.5°	29.1
85°	17.1
87.5°	6.0
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)