

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: P745552

Luminaire Tested: LD4D25D010-EU4DR6020359040-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P745552
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: LD4D25D010-EU4DR6020359040-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2041.4 lumens
Efficiency: N/A
Efficacy: 81.3 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): 25.1
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

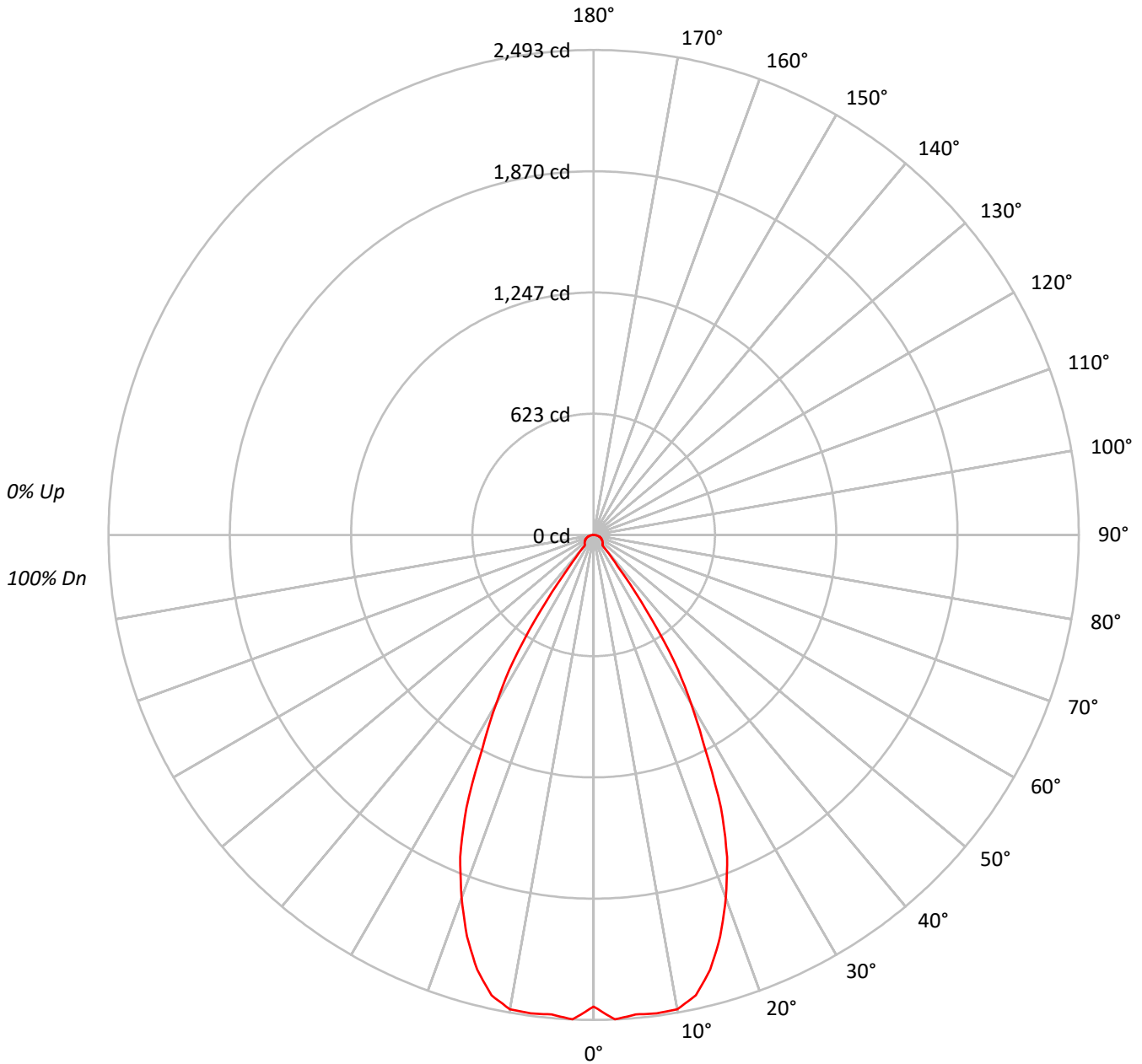


Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	264892
5°	271409
10°	274681
15°	261669
20°	230720
25°	186608
30°	126227
35°	63250
40°	10269
45°	10044
50°	10250
55°	10401
60°	10686
65°	10936
70°	11181
75°	11314
80°	10948
85°	9151

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 11314 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.5	11.6
10°-20°	639.9	31.3
20°-30°	688.5	33.7
30°-40°	299.3	14.7
40°-50°	50.3	2.5
50°-60°	48.9	2.4
60°-70°	41.8	2.0
70°-80°	28.0	1.4
80°-90°	8.4	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°	1564.9	76.7
0°-40°	1864.1	91.3
0°-60°	1963.3	96.2
0°-90°	2041.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2041.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2424	
5°	2475	237
15°	2313	640
25°	1548	688
35°	474	299
45°	65	50
55°	55	49
65°	42	42
75°	27	28
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2424.4
2.5°	2492.6
5°	2474.6
7.5°	2480.3
10°	2475.8
12.5°	2424.7
15°	2313.3
17.5°	2163.8
20°	1984.3
22.5°	1792.1
25°	1547.9
27.5°	1238.1
30°	1000.5
32.5°	771.1
35°	474.2
37.5°	202.9
40°	72.0
42.5°	66.2
45°	65.0
47.5°	62.8
50°	60.3
52.5°	57.4
55°	54.6
57.5°	51.7
60°	48.9
62.5°	45.7
65°	42.3
67.5°	38.8
70°	35.0
72.5°	30.9
75°	26.8
77.5°	22.1
80°	17.4
82.5°	12.3
85°	7.3
87.5°	2.5
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)