

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: P751170

Luminaire Tested: LD4D60D010-EU4DR6055659040-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751170
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: LD4D60D010-EU4DR6055659040-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6701.5 lumens
Efficiency: N/A
Efficacy: 104.1 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): 64.4
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

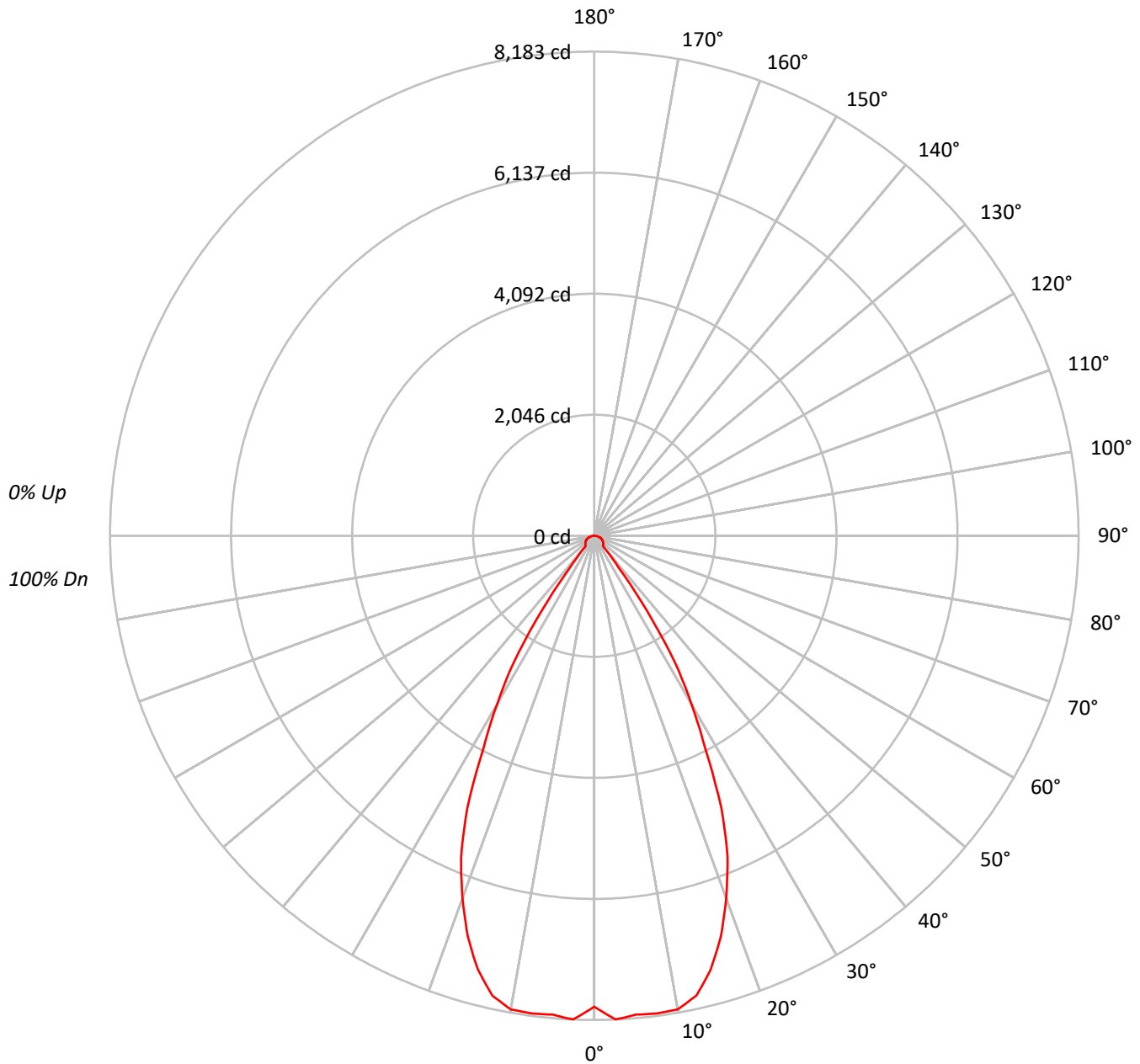


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	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
1	113	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	95		105	101	97	94		97	94	92		94	92	90		92	90	88
3	102	96	90	86		100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	84	80		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	84	78	74		91	83	78	74		81	77	73		80	76	72		78	75	72
6	88	79	73	69		87	78	73	69		77	72	68		75	71	68		74	70	67
7	84	75	69	65		83	74	68	64		73	68	64		72	67	64		71	67	63
8	80	71	65	61		79	70	65	61		69	64	60		68	64	60		67	63	60
9	77	67	61	57		75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		62	58	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	869595
5°	890981
10°	901738
15°	859030
20°	757401
25°	612605
30°	414371
35°	207650
40°	33689
45°	32974
50°	33622
55°	34136
60°	35073
65°	35884
70°	36738
75°	37149
80°	35865
85°	29836

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 37149 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	776.4	11.6
10°-20°	2100.6	31.3
20°-30°	2260.1	33.7
30°-40°	982.4	14.7
40°-50°	165.0	2.5
50°-60°	160.4	2.4
60°-70°	137.2	2.0
70°-80°	91.8	1.4
80°-90°	27.5	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°	5137.1	76.7
0°-40°	6119.5	91.3
0°-60°	6445.0	96.2
0°-90°	6701.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6701.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7959	
5°	8124	776
15°	7594	2101
25°	5082	2260
35°	1557	982
45°	213	165
55°	179	160
65°	139	137
75°	88	92
85°	24	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7958.9
2.5°	8182.6
5°	8123.6
7.5°	8142.2
10°	8127.7
12.5°	7959.9
15°	7594.3
17.5°	7103.3
20°	6514.0
22.5°	5883.2
25°	5081.5
27.5°	4064.4
30°	3284.4
32.5°	2531.4
35°	1556.8
37.5°	666.0
40°	236.2
42.5°	217.5
45°	213.4
47.5°	206.1
50°	197.8
52.5°	188.5
55°	179.2
57.5°	169.9
60°	160.5
62.5°	150.2
65°	138.8
67.5°	127.4
70°	115.0
72.5°	101.5
75°	88.0
77.5°	72.5
80°	57.0
82.5°	40.4
85°	23.8
87.5°	8.3
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)