

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: P750679

Luminaire Tested: LD4D60D010-EU4DR3055659030-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR3055659030-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6184.8 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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

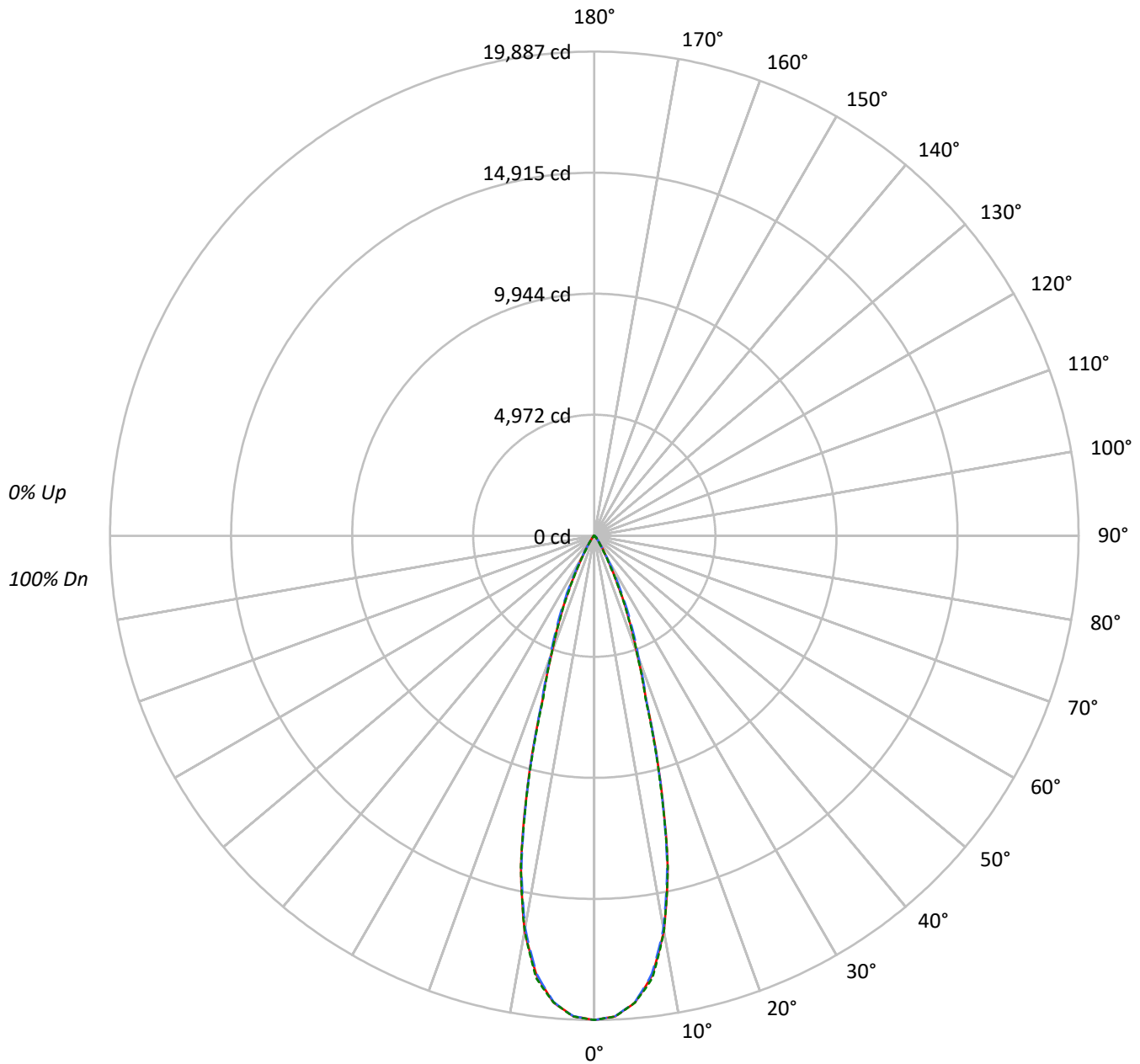


Downlight

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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1522211	1522211	1522211
5°	1478512	1476791	1478589
10°	1280615	1271583	1280312
15°	835536	831051	826875
20°	415473	431064	414919
25°	209291	236005	205001
30°	83798	91301	73006
35°	38863	37227	31200
40°	16777	18635	15807
45°	11842	14689	11940
50°	4073	10693	4299
55°	2349	4431	2482
60°	1638	1944	1638
65°	1069	1069	1069
70°	649	448	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 14689 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1748.8	28.3
10°-20°	2816.4	45.5
20°-30°	1217.0	19.7
30°-40°	277.4	4.5
40°-50°	95.2	1.5
50°-60°	23.3	0.4
60°-70°	6.0	0.1
70°-80°	0.6	0.0
80°-90°	0.0	0.0
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°	5782.2	93.5
0°-40°	6059.6	98.0
0°-60°	6178.1	99.9
0°-90°	6184.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6184.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19887	19887	19887	19887	19887	
5°	19242	19224	19220	19260	19244	1750
15°	10544	10417	10487	10453	10435	2823
25°	2478	2572	2794	2506	2427	1186
35°	416	425	398	395	334	282
45°	109	136	136	136	110	78
55°	18	19	33	20	19	17
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19886.9	19886.9	19886.9	19886.9	19886.9
2.5°	19755.1	19741.5	19749.3	19759.0	19762.9
5°	19242.5	19224.0	19220.1	19260.1	19243.5
7.5°	18208.5	18182.2	18142.1	18232.9	18317.9
10°	16476.4	16447.1	16360.2	16403.2	16472.5
12.5°	13919.3	13824.6	13822.6	13959.3	13940.8
15°	10543.9	10417.0	10487.3	10453.1	10434.6
17.5°	7090.5	7041.7	7135.4	7107.1	6985.0
20°	5100.6	5113.3	5292.0	5202.2	5093.8
22.5°	3722.0	3767.9	3979.7	3748.3	3663.4
25°	2478.1	2571.8	2794.4	2506.4	2427.3
27.5°	1524.1	1567.1	1792.6	1504.6	1461.6
30°	948.1	926.6	1033.0	886.6	826.0
32.5°	622.0	594.6	628.8	564.3	515.5
35°	415.9	424.7	398.4	395.4	333.9
37.5°	259.7	298.8	263.6	281.2	214.8
40°	167.9	216.8	186.5	206.0	158.2
42.5°	137.7	167.0	153.3	163.1	140.6
45°	109.4	135.7	135.7	135.7	110.3
47.5°	60.5	90.8	116.2	92.8	64.4
50°	34.2	45.9	89.8	47.8	36.1
52.5°	23.4	26.4	61.5	27.3	24.4
55°	17.6	18.6	33.2	19.5	18.6
57.5°	13.7	14.6	17.6	14.6	13.7
60°	10.7	10.7	12.7	11.7	10.7
62.5°	7.8	7.8	8.8	7.8	7.8
65°	5.9	5.9	5.9	5.9	5.9
67.5°	2.9	3.9	3.9	3.9	3.9
70°	2.9	2.0	2.0	2.0	2.9
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	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° - - 45°-225° - - - 90°-270°







(END OF REPORT)