

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: P1320242

Luminaire Tested: LDSQA3D17R259840DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320242
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R259840DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

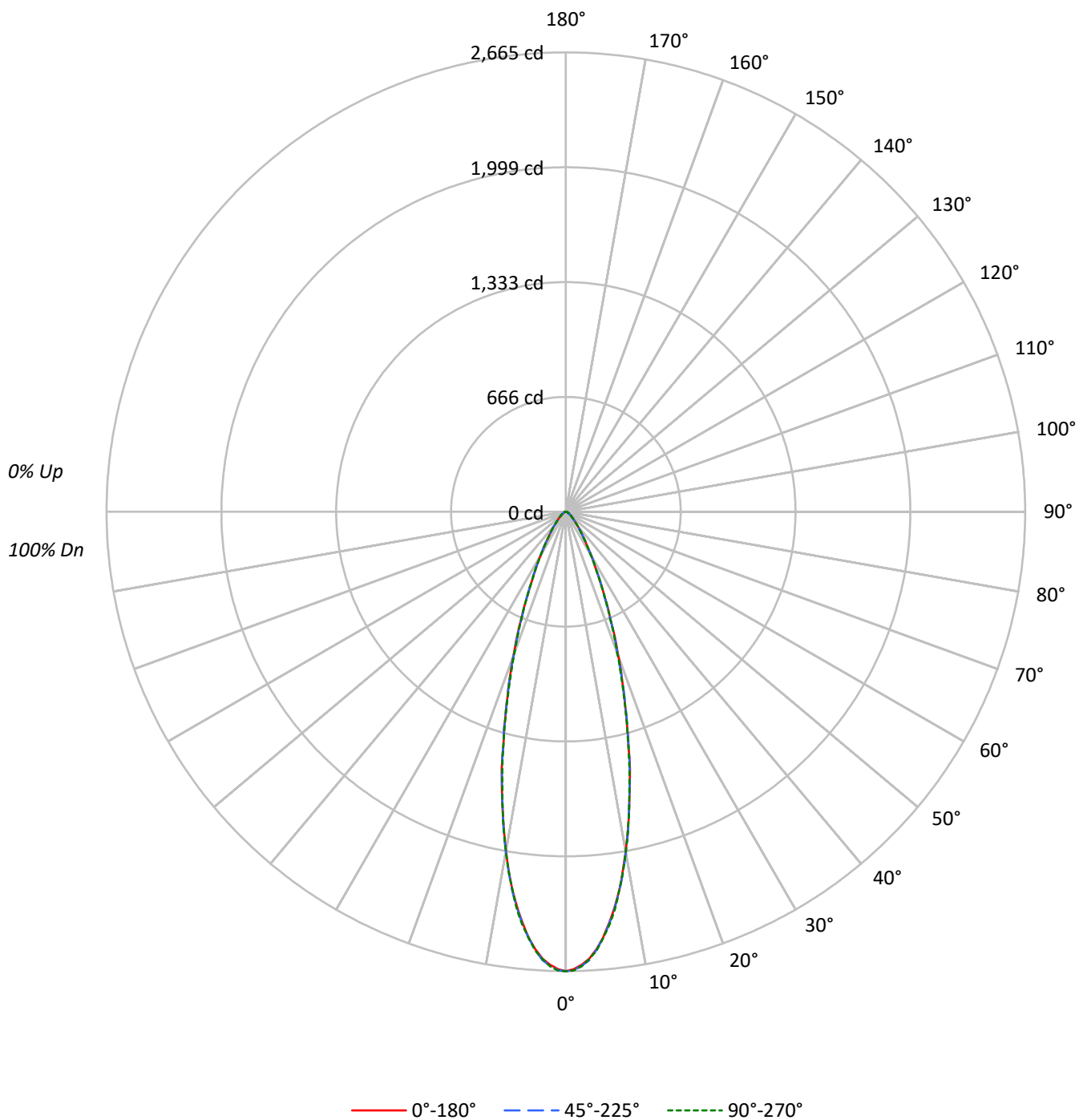
Lumens per Lamp: N/A
Luminaire Lumens: 1068.0 lumens
Efficiency: N/A
Efficacy: 52.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	73		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	459042	459042	459042
5°	428467	428899	429124
10°	349497	350581	350581
15°	249617	250954	249617
20°	163372	161777	159486
25°	97123	97598	97123
30°	58506	58506	58268
35°	35658	35910	35658
40°	22707	22977	22977
45°	15783	15783	15783
50°	11360	11682	11682
55°	8978	8978	9368
60°	7302	7716	7716
65°	6602	6602	6602
70°	5640	5640	6294
75°	4991	4991	5789
80°	4959	4959	4959
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15783 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.5	20.7
10°-20°	386.1	36.2
20°-30°	242.7	22.7
30°-40°	111.0	10.4
40°-50°	51.8	4.9
50°-60°	27.9	2.6
60°-70°	16.4	1.5
70°-80°	8.6	0.8
80°-90°	1.9	0.2
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°	850.3	79.6
0°-40°	961.3	90.0
0°-60°	1041.1	97.5
0°-90°	1068.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1068.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2665	2665	2665	2665	2665	
5°	2478	2483	2481	2483	2482	221
15°	1400	1409	1408	1410	1400	386
25°	511	517	514	514	511	243
35°	170	170	171	171	170	111
45°	65	65	65	65	65	51
55°	30	30	30	31	31	27
65°	16	16	16	16	16	16
75°	8	8	8	9	9	8
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2665.4	2665.4	2665.4	2665.4	2665.4
1°	2654.2	2656.7	2659.2	2662.9	2661.7
2°	2629.3	2634.3	2635.5	2640.5	2639.3
3°	2595.6	2594.4	2604.3	2604.3	2598.1
4°	2543.3	2545.8	2548.2	2550.7	2552.0
5°	2478.4	2483.4	2480.9	2483.4	2482.2
6°	2398.6	2406.1	2404.9	2407.4	2411.1
7°	2313.9	2318.9	2318.9	2316.4	2326.3
8°	2221.6	2217.9	2224.1	2221.6	2220.4
9°	2111.9	2119.4	2120.6	2114.4	2116.9
10°	1998.5	2003.4	2004.7	2008.4	2004.7
11°	1886.3	1886.3	1888.7	1895.0	1885.0
12°	1764.1	1775.3	1764.1	1769.1	1764.1
13°	1648.1	1650.6	1648.1	1646.9	1638.2
14°	1538.4	1529.7	1532.2	1522.2	1523.5
15°	1400.0	1408.8	1407.5	1410.0	1400.0
17.5°	1125.8	1130.8	1129.5	1127.0	1114.5
20°	891.4	891.4	882.7	877.7	870.2
22.5°	680.7	678.2	674.5	670.7	673.2
25°	511.1	517.4	513.6	513.6	511.1
27.5°	386.5	394.0	387.7	384.0	386.5
30°	294.2	296.7	294.2	293.0	293.0
32.5°	221.9	223.2	221.9	221.9	221.9
35°	169.6	169.6	170.8	170.8	169.6
37.5°	130.9	130.9	130.9	130.9	132.1
40°	101.0	102.2	102.2	102.2	102.2
42.5°	79.8	81.0	81.0	81.0	81.0
45°	64.8	64.8	64.8	64.8	64.8
47.5°	52.4	52.4	52.4	52.4	53.6
50°	42.4	43.6	43.6	43.6	43.6
52.5°	36.2	36.2	36.2	36.2	36.2
55°	29.9	29.9	29.9	31.2	31.2
57.5°	24.9	24.9	26.2	26.2	26.2
60°	21.2	22.4	22.4	22.4	22.4
62.5°	18.7	18.7	19.9	19.9	19.9
65°	16.2	16.2	16.2	16.2	16.2
67.5°	13.7	13.7	13.7	13.7	15.0
70°	11.2	11.2	11.2	12.5	12.5
72.5°	10.0	10.0	10.0	10.0	10.0
75°	7.5	7.5	7.5	8.7	8.7
77.5°	6.2	6.2	6.2	6.2	6.2
80°	5.0	5.0	5.0	5.0	5.0
82.5°	2.5	2.5	3.7	3.7	3.7
85°	1.2	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)