

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: P1324054

Luminaire Tested: LDSQA3D17R309030D2WDE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324054
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309030D2WDE010 3LSQPHRL1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

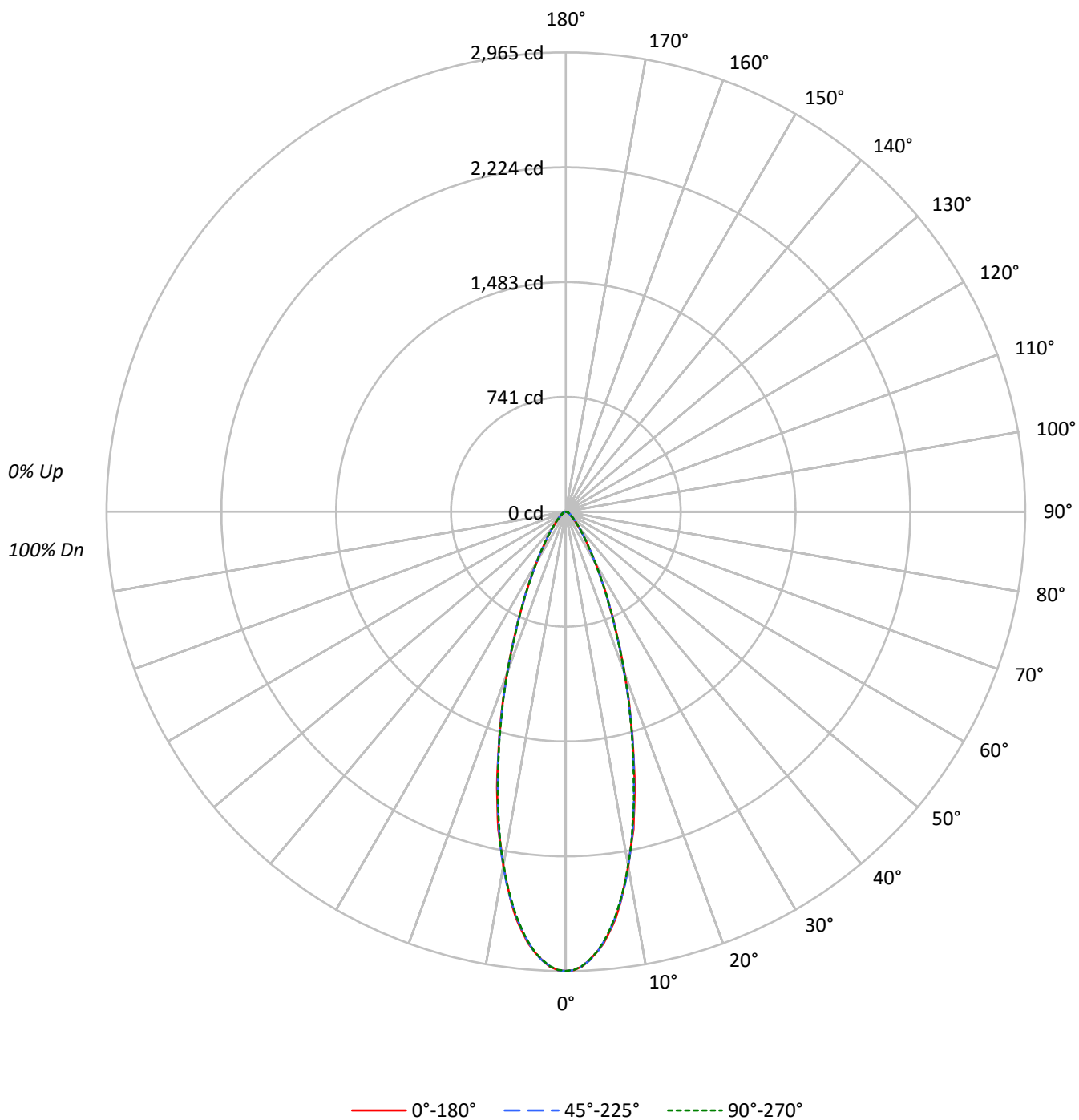
Lumens per Lamp: N/A
Luminaire Lumens: 1302.0 lumens
Efficiency: N/A
Efficacy: 47.7 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.3
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	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	510588	510588	510588
5°	483391	482146	481904
10°	406105	406105	404584
15°	302572	301787	300004
20°	202501	201438	201713
25°	124829	124562	125095
30°	75052	75052	75350
35°	46044	46044	46338
40°	29137	29137	29789
45°	19996	20362	20362
50°	14656	14656	14656
55°	11260	11680	11680
60°	9438	9438	9920
65°	8232	8232	8232
70°	7251	7956	7956
75°	6721	6721	6721
80°	5752	5752	5752
85°	2766	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 20362 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.3	19.3
10°-20°	464.0	35.6
20°-30°	308.5	23.7
30°-40°	142.6	11.0
40°-50°	66.2	5.1
50°-60°	35.4	2.7
60°-70°	20.7	1.6
70°-80°	10.9	0.8
80°-90°	2.3	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°	1023.9	78.6
0°-40°	1166.5	89.6
0°-60°	1268.1	97.4
0°-90°	1302.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1302.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2965	2965	2965	2965	2965	
5°	2796	2790	2789	2796	2788	251
15°	1697	1703	1693	1693	1683	466
25°	657	656	656	656	658	309
35°	219	218	219	220	220	142
45°	82	82	84	84	84	66
55°	38	39	39	39	39	35
65°	20	20	20	20	20	20
75°	10	10	10	10	10	11
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°	2964.7	2964.7	2964.7	2964.7	2964.7
1°	2958.9	2956.0	2958.9	2963.2	2957.5
2°	2938.7	2935.8	2935.8	2941.6	2935.8
3°	2899.8	2902.7	2901.3	2907.0	2897.0
4°	2850.9	2849.4	2855.2	2858.1	2849.4
5°	2796.1	2790.4	2788.9	2796.1	2787.5
6°	2721.2	2716.9	2714.0	2722.6	2711.1
7°	2640.5	2637.7	2633.3	2636.2	2627.6
8°	2541.1	2539.7	2536.8	2539.7	2529.6
9°	2430.2	2430.2	2436.0	2434.5	2428.8
10°	2322.2	2325.1	2322.2	2325.1	2313.5
11°	2201.2	2201.2	2204.0	2202.6	2204.0
12°	2096.0	2084.5	2081.6	2078.7	2070.1
13°	1960.6	1951.9	1949.1	1951.9	1947.6
14°	1836.7	1830.9	1816.5	1819.4	1813.7
15°	1697.0	1702.7	1692.6	1692.6	1682.6
17.5°	1387.3	1381.5	1384.4	1385.8	1381.5
20°	1104.9	1102.0	1099.1	1096.3	1100.6
22.5°	858.6	860.0	857.1	854.2	851.4
25°	656.9	655.5	655.5	655.5	658.3
27.5°	498.4	498.4	498.4	499.9	499.9
30°	377.4	374.5	377.4	378.9	378.9
32.5°	282.3	285.2	286.7	286.7	286.7
35°	219.0	217.5	219.0	220.4	220.4
37.5°	167.1	167.1	168.5	168.5	170.0
40°	129.6	129.6	129.6	131.1	132.5
42.5°	102.3	102.3	103.7	103.7	105.2
45°	82.1	82.1	83.6	83.6	83.6
47.5°	66.3	66.3	67.7	67.7	67.7
50°	54.7	54.7	54.7	54.7	54.7
52.5°	46.1	44.7	46.1	46.1	46.1
55°	37.5	38.9	38.9	38.9	38.9
57.5°	31.7	33.1	33.1	33.1	33.1
60°	27.4	27.4	27.4	28.8	28.8
62.5°	23.0	24.5	24.5	24.5	24.5
65°	20.2	20.2	20.2	20.2	20.2
67.5°	17.3	17.3	17.3	17.3	18.7
70°	14.4	14.4	15.8	15.8	15.8
72.5°	13.0	13.0	13.0	13.0	13.0
75°	10.1	10.1	10.1	10.1	10.1
77.5°	7.2	7.2	8.6	8.6	7.2
80°	5.8	5.8	5.8	5.8	5.8
82.5°	4.3	4.3	4.3	4.3	4.3
85°	1.4	1.4	1.4	1.4	1.4
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)