

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: P1323647

Luminaire Tested: LDSQA3D05R459030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R459030D2WDE010 3LSQCA30R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

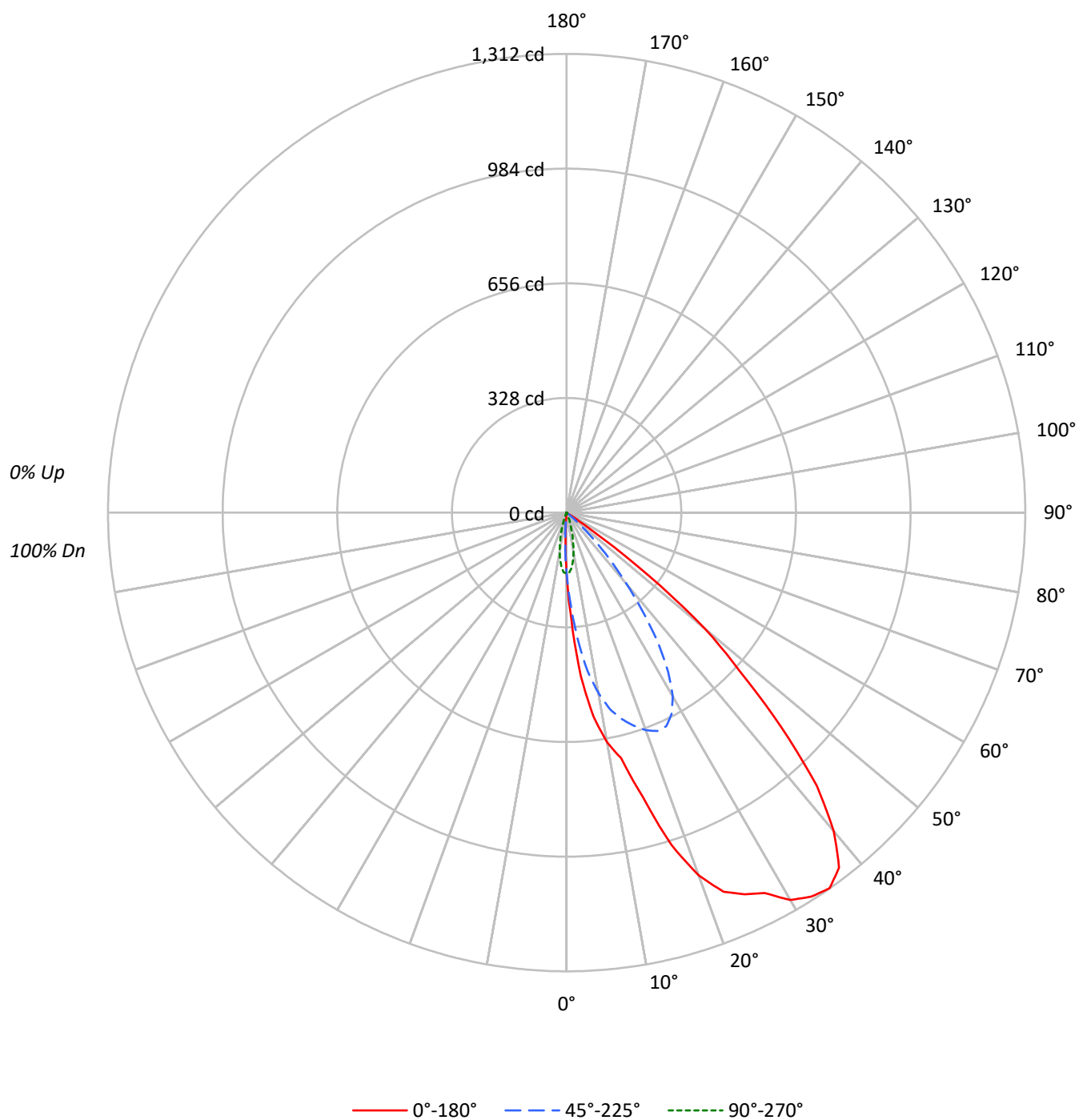
Lumens per Lamp: N/A
Luminaire Lumens: 556.0 lumens
Efficiency: N/A
Efficacy: 50.1 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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

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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	50	30	10	
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91			
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67			
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60			
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54			
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40			
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	29743	29743	29743	29743	29743
5°	81185	62462	27523	5515	2075
10°	116610	91637	19901	525	437
15°	150109	109011	10591	178	0
20°	202318	121292	4032	0	0
25°	228849	128116	1045	0	0
30°	254369	120791	99	0	0
35°	275757	96313	0	0	0
40°	267267	60477	0	0	0
45°	211872	28813	0	0	0
50°	138654	3617	0	0	0
55°	23841	0	0	0	0
60°	0	0	172	0	0
65°	0	204	204	0	0
70°	0	252	504	0	0
75°	0	333	665	0	0
80°	0	496	992	496	0
85°	0	988	1976	988	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 211872 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.6	3.7
10°-20°	79.2	14.2
20°-30°	148.3	26.7
30°-40°	173.1	31.1
40°-50°	112.9	20.3
50°-60°	21.0	3.8
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.5	0.1
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°	248.0	44.6
0°-40°	421.1	75.7
0°-60°	554.9	99.8
0°-90°	556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	556.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	173	173	173	173	173	
5°	470	361	159	32	12	50
15°	842	611	59	1	0	251
25°	1204	674	6	0	0	557
35°	1312	458	0	0	0	804
45°	870	118	0	0	0	661
55°	79	0	0	0	0	138
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7
2.5°	304.4	306.9	301.9	299.9	293.5	295.0	284.0	279.5	272.5	261.0	255.5
5°	469.6	465.1	461.1	452.7	447.7	434.2	419.2	402.3	381.8	361.3	337.9
7.5°	587.4	583.9	582.4	575.4	565.4	551.5	532.0	510.6	484.1	456.7	421.2
10°	666.8	663.3	657.3	650.3	642.3	630.8	611.9	588.4	559.5	524.0	482.6
12.5°	718.7	718.2	708.2	700.2	690.2	680.2	660.8	641.8	613.4	576.9	530.0
15°	841.9	833.9	821.0	798.5	770.6	744.6	713.2	683.2	652.3	611.4	559.0
17.5°	995.6	986.7	964.7	936.3	891.3	841.9	788.0	740.6	694.2	638.8	576.9
20°	1103.9	1100.5	1082.0	1049.0	1001.1	935.8	864.9	798.0	732.6	661.8	585.4
22.5°	1173.3	1171.3	1163.8	1141.4	1092.5	1019.1	927.8	837.9	759.1	676.2	582.9
25°	1204.3	1206.8	1207.8	1196.8	1157.3	1082.5	974.2	868.4	774.1	674.2	564.0
27.5°	1226.2	1226.2	1230.2	1225.2	1185.3	1106.4	992.2	878.9	769.1	649.8	524.0
30°	1279.1	1278.1	1280.6	1267.1	1211.7	1113.9	984.2	861.9	740.6	607.4	466.6
32.5°	1302.1	1303.1	1302.6	1281.1	1216.7	1108.9	964.7	829.5	688.2	541.0	390.8
35°	1311.6	1307.1	1288.6	1239.7	1158.3	1042.6	909.8	774.6	614.9	458.1	308.4
37.5°	1280.1	1267.1	1226.2	1159.3	1060.0	948.7	819.0	676.2	517.5	359.3	232.1
40°	1188.8	1171.8	1120.4	1039.6	948.7	848.4	711.7	561.0	404.7	269.0	162.7
42.5°	1059.5	1040.1	984.7	914.3	831.5	726.1	589.9	439.2	296.4	185.7	103.3
45°	869.9	858.9	827.0	767.6	686.2	576.9	452.2	320.4	205.1	118.3	52.9
47.5°	672.7	658.8	635.8	594.9	527.0	423.2	316.4	217.6	131.8	58.4	11.0
50°	517.5	501.1	473.1	427.7	356.8	282.5	205.1	135.7	66.9	13.5	0.5
52.5°	297.9	301.4	288.0	259.0	219.6	169.2	118.8	68.4	15.0	0.5	0.0
55°	79.4	85.8	83.8	90.3	79.4	66.9	49.4	13.0	1.0	0.0	0.0
57.5°	0.0	0.0	0.5	1.0	3.0	4.5	1.5	0.5	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7
2.5°	243.0	232.6	219.6	171.7	129.3	92.8	72.4	66.9
5°	315.4	290.0	257.0	159.2	79.9	31.9	14.5	12.0
7.5°	383.8	346.4	287.0	139.2	40.4	8.0	4.0	3.5
10°	436.7	386.3	308.9	113.8	15.0	3.0	2.5	2.5
12.5°	473.1	411.7	316.9	86.3	5.5	1.5	1.5	1.0
15°	494.1	421.7	309.4	59.4	2.0	1.0	0.0	0.0
17.5°	500.6	417.7	289.5	37.4	0.5	0.0	0.0	0.0
20°	495.1	398.3	258.0	22.0	0.0	0.0	0.0	0.0
22.5°	477.1	367.8	220.1	12.0	0.0	0.0	0.0	0.0
25°	443.7	324.9	175.7	5.5	0.0	0.0	0.0	0.0
27.5°	389.3	269.5	132.3	2.0	0.0	0.0	0.0	0.0
30°	327.4	210.1	93.8	0.5	0.0	0.0	0.0	0.0
32.5°	255.5	154.7	60.4	0.0	0.0	0.0	0.0	0.0
35°	192.1	108.3	35.9	0.0	0.0	0.0	0.0	0.0
37.5°	133.8	68.4	19.0	0.0	0.0	0.0	0.0	0.0
40°	83.3	36.9	6.5	0.0	0.0	0.0	0.0	0.0
42.5°	46.4	13.0	0.5	0.0	0.0	0.0	0.0	0.0
45°	11.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
60°	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0
62.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
65°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
70°	0.5	0.5	0.5	1.0	0.5	0.0	0.0	0.0
72.5°	0.5	0.5	1.0	1.0	0.5	0.0	0.0	0.0
75°	0.5	0.5	1.0	1.0	0.5	0.0	0.0	0.0
77.5°	0.5	1.0	1.0	1.0	0.5	0.5	0.0	0.0
80°	0.5	1.0	1.0	1.0	1.0	0.5	0.0	0.0
82.5°	0.5	1.0	1.0	1.0	1.0	0.5	0.0	0.0
85°	0.5	1.0	1.0	1.0	0.5	0.5	0.0	0.0
87.5°	0.5	1.0	1.0	1.0	1.0	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)