

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: P1312453

Luminaire Tested: LDSQA3D09R609050DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312453
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R609050DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

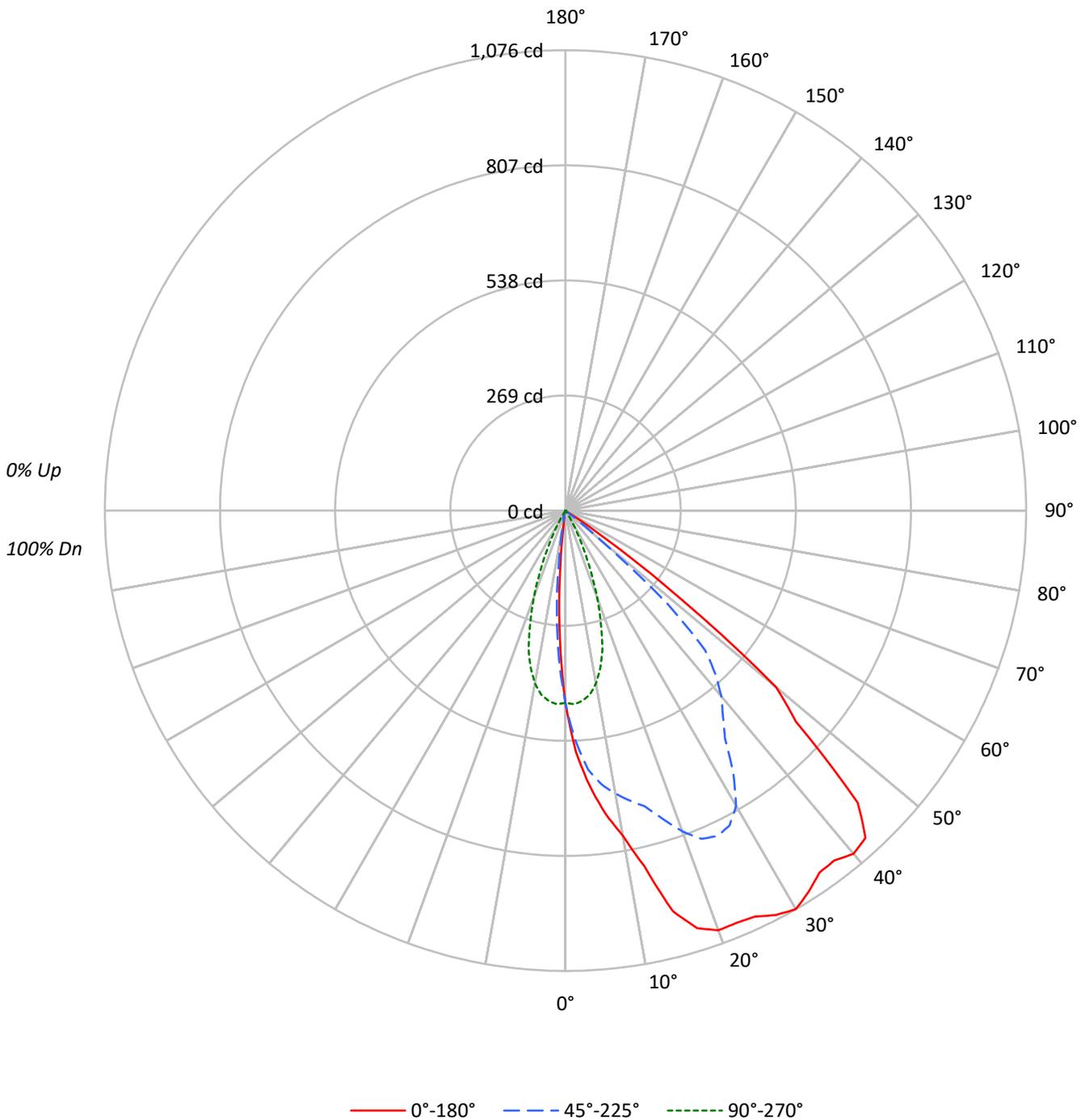
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 730.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
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 (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	77345	77345	77345	77345	77345
5°	111491	105008	77226	39797	25552
10°	134867	117397	71701	4757	2798
15°	172842	127537	59427	3138	2567
20°	191285	146181	39844	1759	293
25°	198939	159451	19592	152	0
30°	213920	158456	5409	0	0
35°	217246	136428	0	0	0
40°	235365	127204	0	0	0
45°	235132	112305	0	0	0
50°	172146	27195	0	0	0
55°	33599	0	0	0	0
60°	0	0	0	0	0
65°	0	326	326	0	0
70°	0	403	403	0	0
75°	0	532	532	0	0
80°	0	793	793	793	0
85°	0	1581	1581	1581	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 235522 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	5.3
10°-20°	109.9	15.0
20°-30°	175.0	24.0
30°-40°	202.3	27.7
40°-50°	160.7	22.0
50°-60°	42.3	5.8
60°-70°	0.3	0.0
70°-80°	0.5	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°	323.5	44.3
0°-40°	525.8	72.0
0°-60°	728.8	99.8
0°-90°	730.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	730.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	449	449	449	449	449	
5°	645	607	447	230	148	65
15°	969	715	333	18	14	270
25°	1047	839	103	1	0	488
35°	1033	649	0	0	0	656
45°	965	461	0	0	0	687
55°	112	0	0	0	0	169
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	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°	449.1	449.1	449.1	449.1	449.1	449.1	449.1	449.1	449.1	449.1	449.1
2.5°	565.0	570.6	568.2	565.8	560.2	557.8	557.8	551.4	541.0	539.5	532.3
5°	644.9	646.5	646.5	644.9	640.9	634.6	633.0	626.6	617.0	607.4	597.8
7.5°	714.5	713.7	708.9	705.7	698.5	689.7	681.7	672.9	658.5	645.7	632.2
10°	771.2	773.6	769.6	761.6	752.0	740.0	727.3	712.1	690.5	671.3	653.7
12.5°	851.1	850.3	839.9	826.4	803.2	780.8	760.8	744.0	717.7	694.5	672.9
15°	969.4	967.8	958.2	946.2	912.7	879.1	844.7	797.6	753.6	715.3	684.9
17.5°	1023.0	1026.2	1018.2	1011.8	992.6	970.2	939.8	892.7	824.8	755.2	691.3
20°	1043.7	1047.7	1042.1	1041.3	1032.5	1022.2	997.4	946.2	879.9	797.6	718.5
22.5°	1042.9	1046.1	1043.7	1054.1	1064.5	1058.9	1028.6	977.4	909.5	830.4	740.8
25°	1046.9	1044.5	1035.7	1050.9	1066.1	1061.3	1046.1	1002.2	927.9	839.1	748.8
27.5°	1065.3	1047.7	1030.2	1049.3	1056.5	1058.1	1049.3	997.4	924.7	829.6	732.9
30°	1075.7	1056.5	1042.1	1058.1	1058.1	1066.9	1048.5	989.4	897.5	796.8	690.5
32.5°	1056.5	1052.5	1065.3	1081.3	1085.3	1085.3	1044.5	963.0	851.9	729.7	622.6
35°	1033.3	1042.9	1079.7	1086.9	1086.9	1069.3	1019.8	916.7	784.0	648.9	572.2
37.5°	1031.0	1046.1	1086.9	1078.1	1063.7	1031.0	959.0	835.9	687.3	603.4	534.7
40°	1046.9	1061.3	1085.3	1053.3	1019.0	967.8	881.5	730.5	629.0	565.8	489.1
42.5°	1037.3	1050.9	1051.7	1004.6	955.8	886.3	772.0	644.9	586.6	517.9	437.2
45°	965.4	967.0	963.8	913.5	863.1	791.2	669.7	602.6	540.2	461.1	321.3
47.5°	729.7	726.5	738.4	724.1	726.5	683.3	608.2	553.0	478.7	323.7	97.5
50°	642.5	638.5	626.6	613.8	601.0	580.2	545.0	485.9	345.2	101.5	3.2
52.5°	344.4	363.6	401.2	458.7	480.3	478.7	452.3	359.6	108.7	0.8	0.0
55°	111.9	110.3	123.1	145.5	199.8	230.2	239.8	122.3	2.4	0.0	0.0
57.5°	0.0	0.0	0.0	2.4	8.0	20.8	27.2	1.6	0.0	0.8	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
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°	449.1	449.1	449.1	449.1	449.1	449.1	449.1	449.1
2.5°	522.7	511.5	498.7	453.1	399.6	347.6	310.1	300.5
5°	582.6	563.4	536.3	446.7	330.1	230.2	164.6	147.8
7.5°	613.8	597.0	568.2	434.0	255.7	113.5	42.4	28.8
10°	633.0	613.0	581.0	410.0	167.0	27.2	15.2	16.0
12.5°	646.5	623.4	587.4	375.6	84.7	13.6	19.2	20.0
15°	652.1	627.4	586.6	333.3	30.4	17.6	16.8	14.4
17.5°	648.9	617.8	576.2	272.5	10.4	16.8	8.8	7.2
20°	644.9	609.8	559.4	217.4	8.8	9.6	3.2	1.6
22.5°	657.7	596.2	536.3	155.8	8.8	3.2	0.0	0.0
25°	659.3	590.6	506.7	103.1	4.0	0.8	0.0	0.0
27.5°	643.3	557.8	461.1	60.7	0.0	0.0	0.0	0.0
30°	592.2	517.1	412.4	27.2	0.0	0.0	0.0	0.0
32.5°	541.8	471.5	358.0	6.4	0.0	0.0	0.0	0.0
35°	501.9	424.4	298.1	0.0	0.0	0.0	0.0	0.0
37.5°	452.3	368.4	222.2	0.0	0.0	0.0	0.0	0.0
40°	400.4	297.3	111.1	0.0	0.0	0.0	0.0	0.0
42.5°	312.5	141.5	11.2	0.0	0.0	0.0	0.0	0.0
45°	119.9	12.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	6.4	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	0.0	0.0	0.0	0.0	0.0
60°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
65°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
67.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
70°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
72.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
75°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
77.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
82.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)