

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: P1320183

Luminaire Tested: LDSQA3D13R709840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

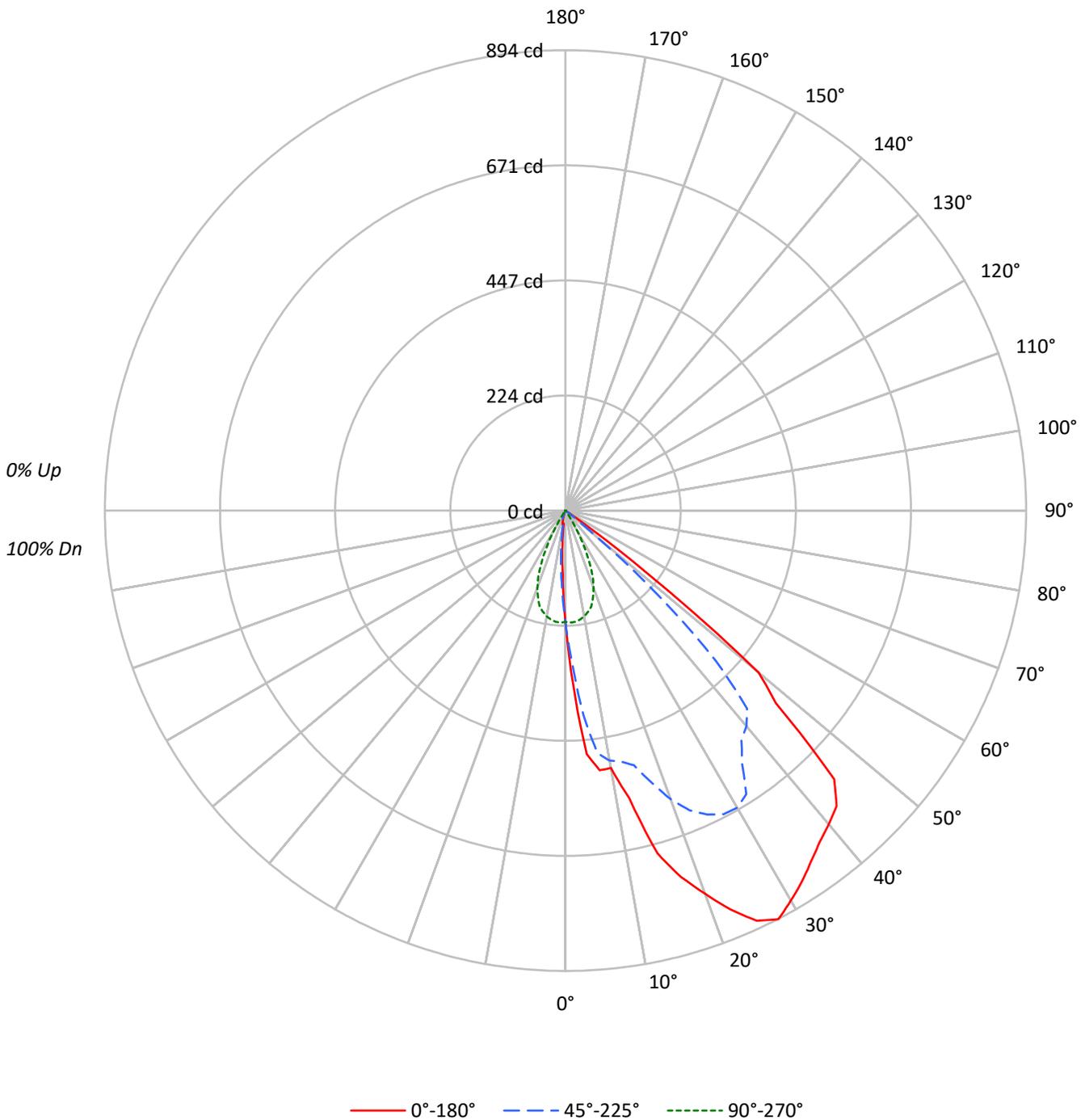
Test Method: LM-79-2019  
Report Number: P1320183  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R709840DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 582.0 lumens  
Efficiency: N/A  
Efficacy: 40.1 lumens/watt  
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	37200	37200	37200	37200	37200
5°	82066	68858	37480	17046	11220
10°	88769	86181	36480	4739	4879
15°	122865	91235	34412	4832	3512
20°	145099	109287	29196	2859	1045
25°	166995	123764	20599	475	0
30°	173948	132464	9466	0	0
35°	174756	125537	526	0	0
40°	178732	122797	0	0	0
45°	179625	100614	0	0	0
50°	131152	20899	0	0	0
55°	7386	0	0	0	0
60°	0	276	276	0	0
65°	0	0	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: 183035 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.6	4.1
10°-20°	78.9	13.6
20°-30°	141.8	24.4
30°-40°	172.4	29.6
40°-50°	133.1	22.9
50°-60°	31.0	5.3
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.4	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°	244.4	42.0
0°-40°	416.8	71.6
0°-60°	580.9	99.8
0°-90°	582.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	582.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	216	216	216	216	216	
5°	475	398	217	99	65	45
15°	689	512	193	27	20	193
25°	879	651	108	2	0	400
35°	831	597	2	0	0	522
45°	738	413	0	0	0	521
55°	25	0	0	0	0	101
65°	0	0	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°	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0
2.5°	336.7	336.7	338.4	337.6	330.2	326.9	316.2	310.4	308.8	295.7	290.7
5°	474.7	475.5	471.4	470.6	462.4	456.6	447.6	433.6	419.7	398.3	379.4
7.5°	508.4	507.6	506.7	506.7	505.1	501.8	497.7	493.6	487.8	474.7	459.9
10°	507.6	507.6	506.7	506.7	505.9	506.7	505.9	503.5	501.0	492.8	484.6
12.5°	571.6	566.7	560.1	550.3	533.8	521.5	507.6	503.5	501.8	499.3	494.4
15°	689.1	685.0	671.0	653.8	637.3	609.4	587.2	556.8	533.0	511.7	501.0
17.5°	745.7	748.2	732.6	721.9	706.3	684.1	657.9	626.6	593.0	552.7	520.7
20°	791.7	794.2	781.1	770.4	752.3	729.3	706.3	672.6	640.6	596.3	554.4
22.5°	838.5	840.2	827.9	812.3	791.7	767.9	738.3	703.8	669.4	629.9	585.6
25°	878.8	877.1	856.6	834.4	814.7	789.3	760.5	726.8	694.0	651.3	609.4
27.5°	894.4	893.6	870.6	849.2	826.2	791.7	766.3	736.7	702.2	664.4	621.7
30°	874.7	887.8	873.0	857.4	829.5	795.0	770.4	735.1	703.0	666.1	617.6
32.5°	854.1	870.6	865.6	858.3	825.4	798.3	766.3	733.4	695.6	652.9	579.0
35°	831.2	848.4	849.2	841.0	811.4	784.3	754.8	720.3	677.6	597.1	542.9
37.5°	810.6	827.0	832.0	814.7	791.7	755.6	728.5	692.4	615.1	560.9	533.0
40°	795.0	807.3	814.7	787.6	764.6	729.3	698.1	634.9	565.1	546.2	506.7
42.5°	778.6	790.1	793.4	763.8	728.5	694.8	649.6	570.0	549.4	521.5	415.6
45°	737.5	751.5	743.3	714.5	688.2	652.9	585.6	551.1	528.9	413.1	255.4
47.5°	553.6	569.2	591.3	599.5	608.6	583.1	546.2	533.8	434.5	250.5	79.7
50°	489.5	487.0	487.0	491.1	498.5	506.7	517.4	450.1	261.2	78.0	0.0
52.5°	199.6	209.4	257.9	301.4	351.5	401.6	417.2	276.0	101.8	1.6	0.0
55°	24.6	24.6	34.5	59.1	97.7	157.7	177.4	88.7	7.4	0.0	0.0
57.5°	0.0	0.0	0.0	0.8	6.6	18.1	12.3	3.3	0.8	0.8	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0
2.5°	282.5	272.7	258.7	217.6	182.3	151.1	133.0	124.0
5°	361.4	337.6	305.5	216.8	147.8	98.6	73.9	64.9
7.5°	436.9	409.8	355.6	213.5	113.3	57.5	32.0	25.5
10°	469.8	450.1	401.6	208.6	82.1	27.1	27.1	27.9
12.5°	482.9	468.1	428.7	201.2	54.2	26.3	27.9	26.3
15°	492.0	478.0	441.9	193.0	31.2	27.1	22.2	19.7
17.5°	496.9	480.5	446.0	177.4	20.5	23.0	14.0	11.5
20°	512.5	486.2	449.2	159.3	19.7	15.6	7.4	5.7
22.5°	538.8	497.7	450.1	137.2	15.6	9.0	2.5	0.0
25°	562.6	513.3	452.5	108.4	4.9	2.5	0.0	0.0
27.5°	574.1	518.2	451.7	76.4	0.0	0.0	0.0	0.0
30°	560.1	505.9	444.3	47.6	0.0	0.0	0.0	0.0
32.5°	527.3	496.9	421.3	20.5	0.0	0.0	0.0	0.0
35°	516.6	477.2	368.8	2.5	0.0	0.0	0.0	0.0
37.5°	492.8	420.5	271.0	0.0	0.0	0.0	0.0	0.0
40°	423.8	303.9	128.9	0.0	0.0	0.0	0.0	0.0
42.5°	280.1	129.8	7.4	0.0	0.0	0.0	0.0	0.0
45°	98.6	8.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.6	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	0.8	0.8	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
65°	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0
67.5°	0.8	0.8	0.8	0.8	0.0	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	0.8	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	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)