

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: P1319307

Luminaire Tested: LDSQA3D13R709835DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319307  
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: LDSQA3D13R709835DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

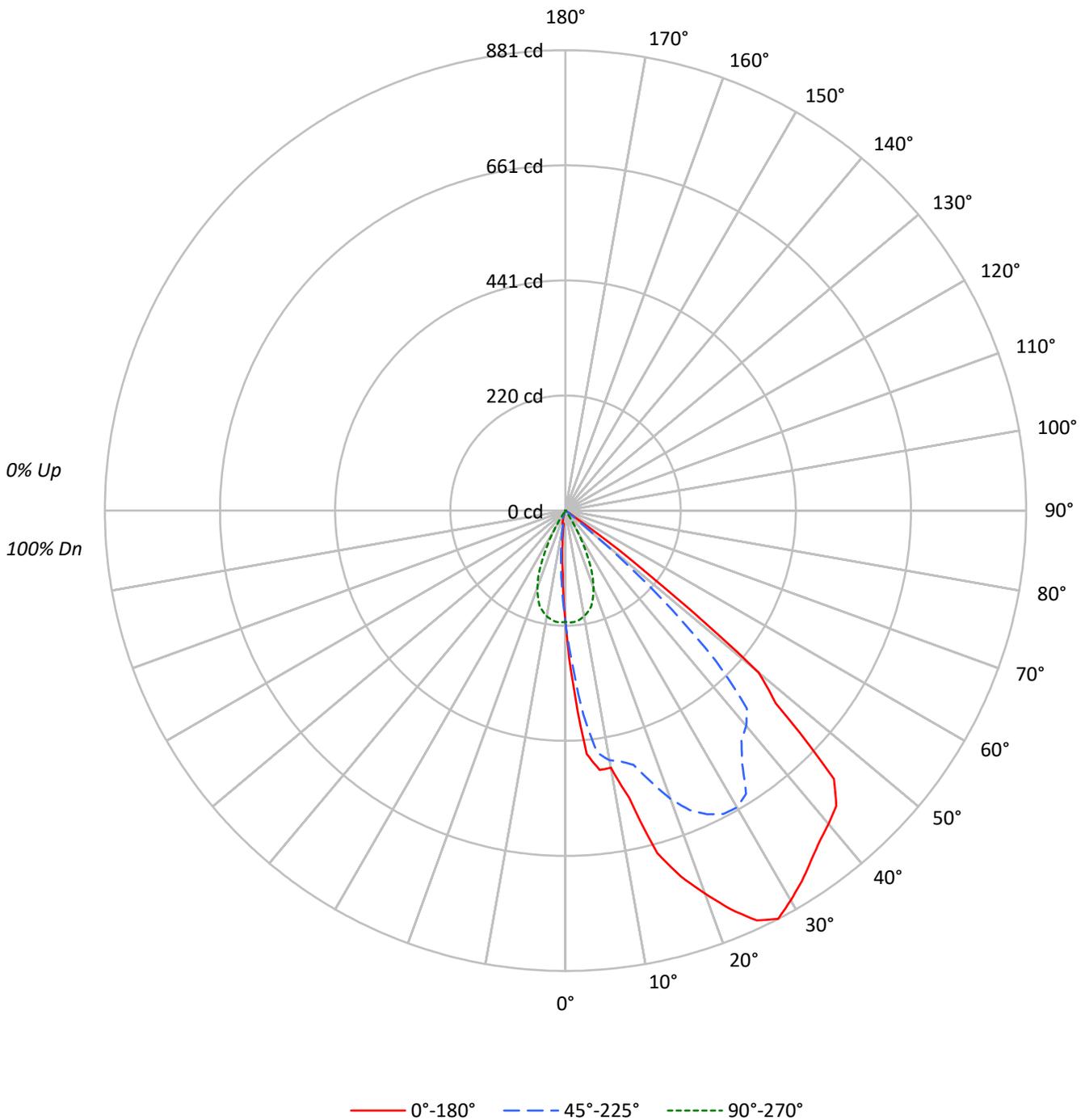
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 573.0 lumens  
Efficiency: N/A  
Efficacy: 39.5 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				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	100				100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91				91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82				82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73				73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66				66
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59				59
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53				53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48				48
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43				43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39				39
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36				36

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

	0°	45°	90°	135°	180°
0°	36632	36632	36632	36632	36632
5°	80804	67804	36910	16769	11047
10°	87387	84852	35920	4669	4809
15°	120957	89827	33877	4761	3459
20°	142863	107583	28756	2822	1045
25°	164411	121845	20276	456	0
30°	171263	130416	9327	0	0
35°	172044	123582	505	0	0
40°	175967	120886	0	0	0
45°	176849	99056	0	0	0
50°	129116	20577	0	0	0
55°	7296	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: 180210 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.3	4.1
10°-20°	77.7	13.6
20°-30°	139.6	24.4
30°-40°	169.8	29.6
40°-50°	131.1	22.9
50°-60°	30.5	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°	240.6	42.0
0°-40°	410.4	71.6
0°-60°	571.9	99.8
0°-90°	573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	573.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	213	213	213	213	213	
5°	467	392	214	97	64	44
15°	678	504	190	27	19	190
25°	865	641	107	2	0	394
35°	818	588	2	0	0	514
45°	726	407	0	0	0	513
55°	24	0	0	0	0	100
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°	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7
2.5°	331.5	331.5	333.1	332.3	325.1	321.8	311.3	305.6	304.0	291.1	286.2
5°	467.4	468.2	464.1	463.3	455.2	449.6	440.7	426.9	413.2	392.2	373.6
7.5°	500.5	499.7	498.9	498.9	497.3	494.1	490.0	486.0	480.3	467.4	452.8
10°	499.7	499.7	498.9	498.9	498.1	498.9	498.1	495.7	493.2	485.2	477.1
12.5°	562.8	557.9	551.5	541.8	525.6	513.5	499.7	495.7	494.1	491.6	486.8
15°	678.4	674.4	660.6	643.6	627.5	600.0	578.1	548.2	524.8	503.8	493.2
17.5°	734.2	736.6	721.3	710.8	695.4	673.6	647.7	617.0	583.8	544.2	512.6
20°	779.5	781.9	769.0	758.5	740.7	718.0	695.4	662.2	630.7	587.0	545.8
22.5°	825.6	827.2	815.1	799.7	779.5	756.0	726.9	693.0	659.0	620.2	576.5
25°	865.2	863.6	843.4	821.5	802.1	777.1	748.8	715.6	683.3	641.2	600.0
27.5°	880.6	879.8	857.1	836.1	813.4	779.5	754.4	725.3	691.3	654.2	612.1
30°	861.2	874.1	859.5	844.2	816.7	782.7	758.5	723.7	692.2	655.8	608.1
32.5°	840.9	857.1	852.3	845.0	812.6	786.0	754.4	722.1	684.9	642.8	570.1
35°	818.3	835.3	836.1	828.0	798.9	772.2	743.1	709.1	667.1	587.8	534.5
37.5°	798.1	814.3	819.1	802.1	779.5	743.9	717.2	681.6	605.6	552.3	524.8
40°	782.7	794.8	802.1	775.4	752.8	718.0	687.3	625.0	556.3	537.7	498.9
42.5°	766.5	777.9	781.1	752.0	717.2	684.1	639.6	561.2	540.9	513.5	409.1
45°	726.1	739.9	731.8	703.5	677.6	642.8	576.5	542.6	520.7	406.7	251.5
47.5°	545.0	560.4	582.2	590.3	599.2	574.1	537.7	525.6	427.7	246.6	78.4
50°	481.9	479.5	479.5	483.5	490.8	498.9	509.4	443.1	257.1	76.8	0.0
52.5°	196.5	206.2	253.9	296.8	346.1	395.4	410.8	271.7	100.3	1.6	0.0
55°	24.3	24.3	34.0	58.2	96.2	155.3	174.7	87.3	7.3	0.0	0.0
57.5°	0.0	0.0	0.0	0.8	6.5	17.8	12.1	3.2	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°	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7
2.5°	278.2	268.5	254.7	214.3	179.5	148.8	131.0	122.1
5°	355.8	332.3	300.8	213.5	145.5	97.0	72.8	63.9
7.5°	430.2	403.5	350.1	210.2	111.6	56.6	31.5	25.1
10°	462.5	443.1	395.4	205.4	80.9	26.7	26.7	27.5
12.5°	475.5	460.9	422.1	198.1	53.4	25.9	27.5	25.9
15°	484.3	470.6	435.0	190.0	30.7	26.7	21.8	19.4
17.5°	489.2	473.0	439.1	174.7	20.2	22.6	13.7	11.3
20°	504.6	478.7	442.3	156.9	19.4	15.4	7.3	5.7
22.5°	530.4	490.0	443.1	135.0	15.4	8.9	2.4	0.0
25°	553.9	505.4	445.5	106.7	4.9	2.4	0.0	0.0
27.5°	565.2	510.2	444.7	75.2	0.0	0.0	0.0	0.0
30°	551.5	498.1	437.4	46.9	0.0	0.0	0.0	0.0
32.5°	519.1	489.2	414.8	20.2	0.0	0.0	0.0	0.0
35°	508.6	469.8	363.1	2.4	0.0	0.0	0.0	0.0
37.5°	485.2	414.0	266.8	0.0	0.0	0.0	0.0	0.0
40°	417.2	299.2	126.9	0.0	0.0	0.0	0.0	0.0
42.5°	275.7	127.8	7.3	0.0	0.0	0.0	0.0	0.0
45°	97.0	8.1	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)