

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: P1319389

Luminaire Tested: LDSQA3D17R359835DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

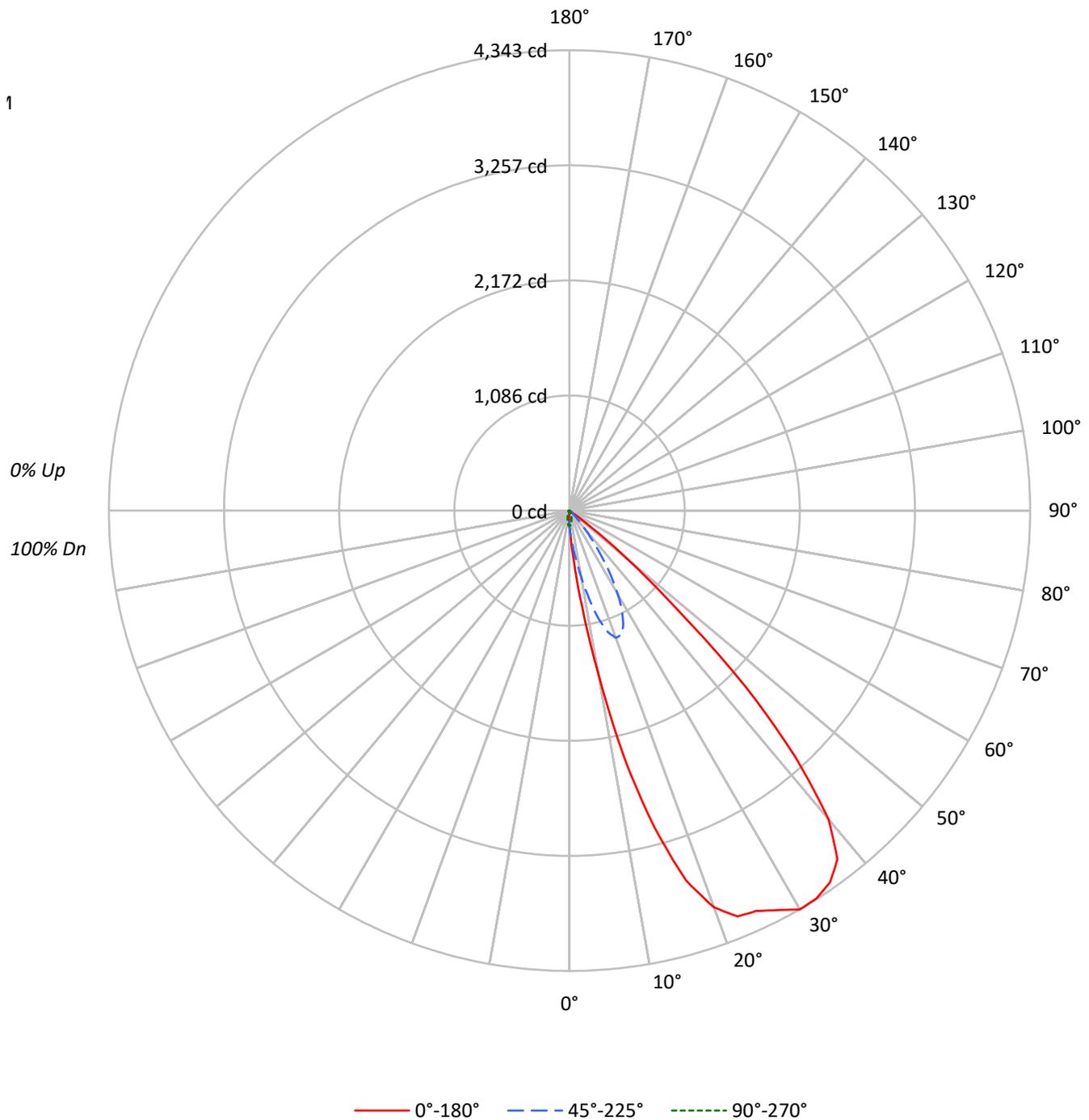
Test Method: LM-79-2019  
Report Number: P1319389  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359835DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1366.0 lumens  
Efficiency: N/A  
Efficacy: 67.0 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 20.4  
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	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	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91			91	
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83			83	
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74			74	
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67			67	
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61			61	
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55			55	
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49			49	
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45			45	
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41			41	
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37			37	

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

	0°	45°	90°	135°	180°
0°	24714	24714	24714	24714	24714
5°	84158	54699	23114	9750	7209
10°	270836	110856	18222	3637	2361
15°	551814	188015	12891	1319	874
20°	729711	234171	8321	458	458
25°	791784	227652	4656	228	475
30°	863713	181425	1949	239	497
35°	899996	112923	526	252	526
40°	854049	49348	270	562	832
45°	570124	19704	292	901	1486
50°	191222	3296	670	1313	1983
55°	10689	360	751	1832	2582
60°	861	413	1274	2101	2962
65°	1019	489	1508	2486	3505
70°	604	604	1863	3072	3726
75°	799	799	2462	3261	4059
80°	0	1190	3670	3670	3670
85°	0	2371	7311	2371	4940

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 570124 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.9	1.8
10°-20°	196.2	14.4
20°-30°	414.1	30.3
30°-40°	469.8	34.4
40°-50°	231.2	16.9
50°-60°	20.1	1.5
60°-70°	4.1	0.3
70°-80°	3.8	0.3
80°-90°	1.9	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°	635.2	46.5
0°-40°	1105.0	80.9
0°-60°	1356.3	99.3
0°-90°	1366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1366.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	144	144	144	144	144	
5°	487	316	134	56	42	80
15°	3095	1054	72	7	5	880
25°	4167	1198	24	1	2	1939
35°	4281	537	2	1	2	2638
45°	2341	81	1	4	6	1730
55°	36	1	2	6	9	140
65°	2	1	4	6	9	2
75°	1	1	4	5	6	1
85°	0	1	4	1	2	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	143.5	143.5	143.5	143.5	143.5	143.5	143.5	143.5	143.5	143.5	143.5
2.5°	248.9	255.1	252.6	251.4	250.1	245.2	234.2	233.0	221.9	214.6	177.8
5°	486.8	477.0	479.4	466.0	448.8	424.3	408.3	374.0	345.8	316.4	207.2
7.5°	917.2	903.7	878.0	838.7	798.3	745.5	665.8	602.1	528.5	458.6	230.5
10°	1548.7	1541.3	1508.2	1407.7	1319.4	1178.4	1046.0	906.2	768.8	633.9	246.5
12.5°	2392.3	2342.1	2282.0	2148.3	1974.2	1797.6	1536.4	1294.9	1075.4	849.8	247.7
15°	3094.9	3063.1	2978.5	2804.3	2594.7	2339.6	2029.4	1704.4	1373.4	1054.5	235.4
17.5°	3660.2	3611.2	3502.0	3331.6	3090.0	2759.0	2396.0	1999.9	1596.5	1200.5	214.6
20°	3981.5	3955.7	3872.4	3701.9	3438.3	3076.6	2663.3	2202.3	1736.3	1277.7	187.6
22.5°	4143.4	4125.0	4063.7	3927.5	3681.1	3316.9	2843.6	2307.7	1776.8	1269.1	159.4
25°	4166.7	4161.7	4109.0	4006.0	3800.0	3439.5	2922.1	2327.3	1743.7	1198.0	132.4
27.5°	4247.6	4230.4	4167.9	4064.9	3857.6	3460.4	2895.1	2259.9	1637.0	1072.9	110.4
30°	4343.2	4331.0	4268.4	4161.7	3916.5	3440.7	2799.4	2110.3	1466.5	912.3	82.2
32.5°	4335.9	4331.0	4278.2	4165.4	3874.8	3325.5	2629.0	1885.9	1234.8	719.8	51.5
35°	4280.7	4263.5	4197.3	4023.2	3636.9	3028.7	2305.3	1581.8	977.3	537.1	33.1
37.5°	4148.3	4111.5	3999.9	3704.4	3211.4	2571.4	1877.3	1221.3	691.6	359.3	20.8
40°	3798.8	3752.2	3527.8	3171.0	2654.7	2025.7	1396.7	840.0	456.1	219.5	8.6
42.5°	3151.4	3056.9	2832.5	2465.9	1981.6	1432.2	917.2	544.4	268.5	132.4	2.5
45°	2340.8	2268.5	2033.1	1700.7	1298.6	918.4	555.5	294.3	148.4	80.9	1.2
47.5°	1363.5	1319.4	1198.0	979.7	717.3	481.9	284.5	158.2	87.1	39.2	1.2
50°	713.7	658.5	566.5	429.2	316.4	221.9	138.6	84.6	42.9	12.3	1.2
52.5°	250.1	246.5	224.4	169.2	137.3	99.3	67.4	36.8	12.3	2.5	1.2
55°	35.6	35.6	33.1	36.8	39.2	35.6	23.3	9.8	2.5	1.2	1.2
57.5°	2.5	2.5	2.5	3.7	4.9	4.9	3.7	1.2	1.2	1.2	2.5
60°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
62.5°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
65°	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7
77.5°	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.5
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):**

	90°	112.5°	135°	157.5°	180°
0°	143.5	143.5	143.5	143.5	143.5
2.5°	142.2	114.0	90.7	79.7	76.0
5°	133.7	85.8	56.4	44.1	41.7
7.5°	118.9	61.3	34.3	24.5	23.3
10°	104.2	44.1	20.8	14.7	13.5
12.5°	87.1	30.7	13.5	8.6	7.4
15°	72.3	20.8	7.4	6.1	4.9
17.5°	57.6	13.5	4.9	3.7	4.9
20°	45.4	8.6	2.5	2.5	2.5
22.5°	34.3	4.9	2.5	2.5	2.5
25°	24.5	2.5	1.2	1.2	2.5
27.5°	17.2	1.2	1.2	1.2	2.5
30°	9.8	1.2	1.2	1.2	2.5
32.5°	4.9	1.2	1.2	2.5	2.5
35°	2.5	1.2	1.2	2.5	2.5
37.5°	1.2	1.2	1.2	2.5	3.7
40°	1.2	1.2	2.5	3.7	3.7
42.5°	1.2	1.2	2.5	3.7	4.9
45°	1.2	2.5	3.7	4.9	6.1
47.5°	2.5	2.5	4.9	6.1	7.4
50°	2.5	3.7	4.9	7.4	7.4
52.5°	2.5	3.7	6.1	7.4	8.6
55°	2.5	4.9	6.1	8.6	8.6
57.5°	3.7	4.9	6.1	8.6	8.6
60°	3.7	4.9	6.1	8.6	8.6
62.5°	3.7	4.9	6.1	8.6	8.6
65°	3.7	4.9	6.1	8.6	8.6
67.5°	3.7	4.9	6.1	7.4	8.6
70°	3.7	4.9	6.1	7.4	7.4
72.5°	4.9	4.9	6.1	7.4	7.4
75°	3.7	4.9	4.9	6.1	6.1
77.5°	3.7	3.7	3.7	4.9	4.9
80°	3.7	3.7	3.7	3.7	3.7
82.5°	3.7	2.5	2.5	3.7	3.7
85°	3.7	2.5	1.2	2.5	2.5
87.5°	2.5	2.5	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)