

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: P1313834

Luminaire Tested: LDSQA3D17R359727DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313834  
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: LDSQA3D17R359727DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

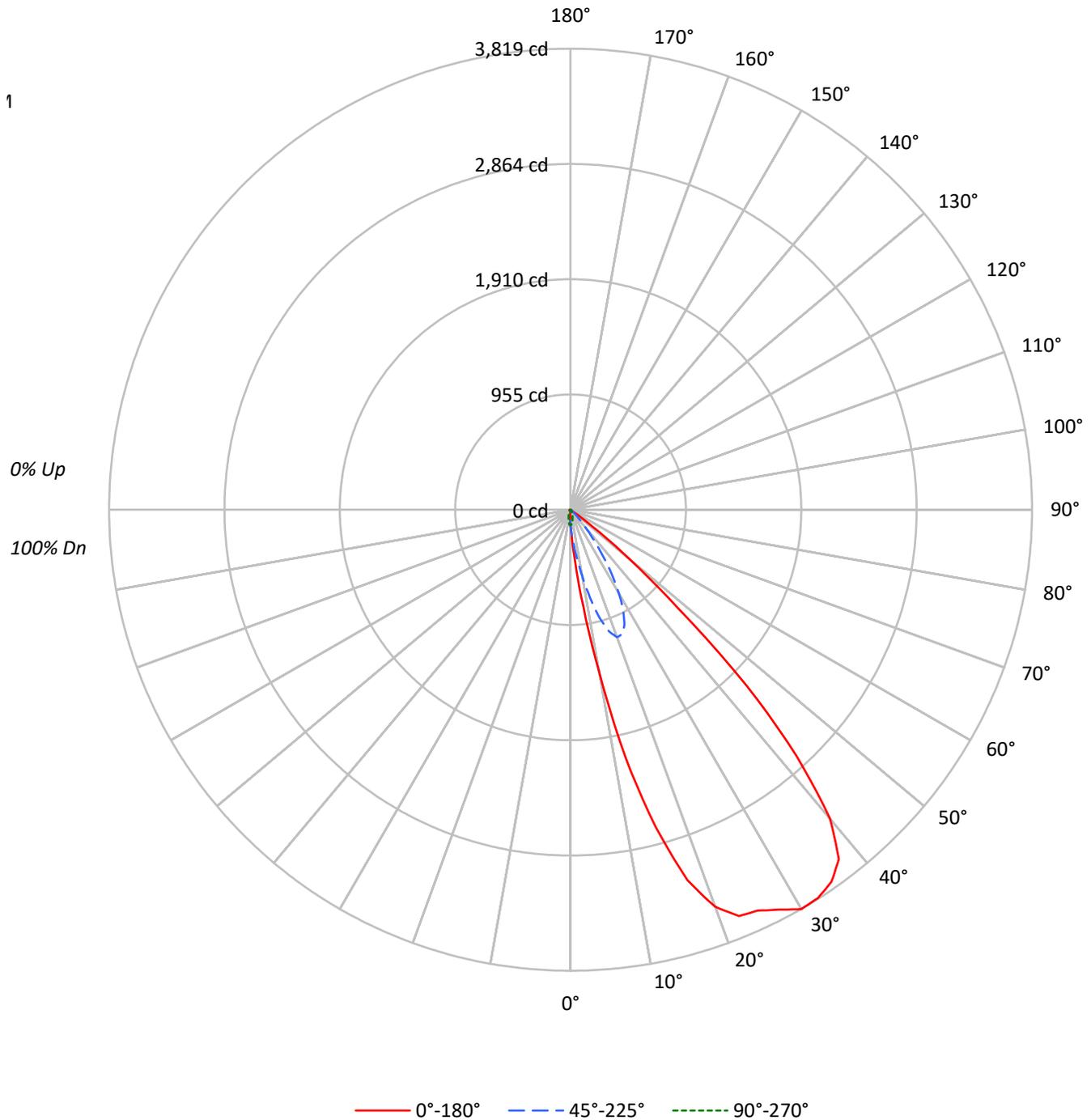
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1201.0 lumens  
Efficiency: N/A  
Efficacy: 56.7 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): 21.2  
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	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	51	46	42	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	47	42	39	37

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

	0°	45°	90°	135°	180°
0°	21717	21717	21717	21717	21717
5°	73993	48078	20313	8575	6345
10°	238116	97478	16019	3200	2081
15°	485167	165318	11340	1159	767
20°	641574	205892	7313	403	403
25°	696144	200155	4105	209	418
30°	759388	159510	1710	219	438
35°	791278	99278	463	231	463
40°	750879	43390	247	495	719
45°	501270	17341	268	779	1315
50°	168127	2894	589	1152	1742
55°	9398	330	661	1621	2252
60°	758	379	1102	1860	2583
65°	897	448	1304	2201	3056
70°	554	554	1611	2719	3273
75°	732	732	2129	2861	3593
80°	0	1091	3174	3174	3174
85°	0	2174	6323	2174	4347

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 501270 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.9	1.8
10°-20°	172.5	14.4
20°-30°	364.1	30.3
30°-40°	413.1	34.4
40°-50°	203.3	16.9
50°-60°	17.6	1.5
60°-70°	3.6	0.3
70°-80°	3.3	0.3
80°-90°	1.6	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°	558.5	46.5
0°-40°	971.5	80.9
0°-60°	1192.5	99.3
0°-90°	1201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1201.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	126	126	126	126	126	
5°	428	278	118	50	37	70
15°	2721	927	64	6	4	774
25°	3663	1053	22	1	2	1705
35°	3764	472	2	1	2	2320
45°	2058	71	1	3	5	1521
55°	31	1	2	5	8	123
65°	2	1	3	5	8	2
75°	1	1	3	4	5	1
85°	0	1	3	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°	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1
2.5°	218.9	224.2	222.1	221.0	219.9	215.6	205.9	204.8	195.1	188.7	156.3
5°	428.0	419.4	421.5	409.7	394.6	373.0	359.0	328.8	304.0	278.1	182.2
7.5°	806.4	794.6	771.9	737.4	701.8	655.5	585.4	529.3	464.7	403.2	202.7
10°	1361.6	1355.2	1326.1	1237.7	1160.0	1036.0	919.6	796.7	676.0	557.4	216.7
12.5°	2103.4	2059.2	2006.3	1888.8	1735.7	1580.5	1350.9	1138.5	945.5	747.1	217.8
15°	2721.1	2693.1	2618.7	2465.6	2281.2	2057.0	1784.2	1498.5	1207.5	927.2	207.0
17.5°	3218.1	3175.0	3079.0	2929.2	2716.8	2425.7	2106.6	1758.4	1403.7	1055.5	188.7
20°	3500.6	3477.9	3404.6	3254.8	3023.0	2704.9	2341.6	1936.3	1526.6	1123.4	164.9
22.5°	3642.9	3626.7	3572.8	3453.1	3236.4	2916.2	2500.1	2029.0	1562.2	1115.8	140.2
25°	3663.4	3659.0	3612.7	3522.1	3341.0	3024.1	2569.1	2046.2	1533.0	1053.3	116.4
27.5°	3734.5	3719.4	3664.4	3573.9	3391.7	3042.4	2545.4	1986.9	1439.3	943.3	97.0
30°	3818.6	3807.8	3752.8	3659.0	3443.4	3025.1	2461.3	1855.4	1289.4	802.1	72.2
32.5°	3812.1	3807.8	3761.5	3662.3	3406.8	2923.8	2311.4	1658.1	1085.6	632.8	45.3
35°	3763.6	3748.5	3690.3	3537.2	3197.6	2662.9	2026.8	1390.7	859.2	472.2	29.1
37.5°	3647.2	3614.8	3516.7	3256.9	2823.5	2260.8	1650.6	1073.8	608.0	315.9	18.3
40°	3339.9	3299.0	3101.7	2787.9	2334.1	1781.0	1227.9	738.5	401.1	193.0	7.5
42.5°	2770.7	2687.7	2490.4	2168.0	1742.2	1259.2	806.4	478.7	236.1	116.4	2.2
45°	2058.1	1994.5	1787.5	1495.3	1141.7	807.5	488.4	258.7	130.4	71.2	1.1
47.5°	1198.8	1160.0	1053.3	861.4	630.7	423.7	250.1	139.1	76.5	34.5	1.1
50°	627.5	578.9	498.1	377.3	278.1	195.1	121.8	74.4	37.7	10.8	1.1
52.5°	219.9	216.7	197.3	148.8	120.7	87.3	59.3	32.3	10.8	2.2	1.1
55°	31.3	31.3	29.1	32.3	34.5	31.3	20.5	8.6	2.2	1.1	1.1
57.5°	2.2	2.2	2.2	3.2	4.3	4.3	3.2	1.1	1.1	1.1	2.2
60°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
62.5°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
65°	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2
77.5°	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2
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°	126.1	126.1	126.1	126.1	126.1
2.5°	125.1	100.3	79.8	70.1	66.8
5°	117.5	75.5	49.6	38.8	36.7
7.5°	104.6	53.9	30.2	21.6	20.5
10°	91.6	38.8	18.3	12.9	11.9
12.5°	76.5	27.0	11.9	7.5	6.5
15°	63.6	18.3	6.5	5.4	4.3
17.5°	50.7	11.9	4.3	3.2	4.3
20°	39.9	7.5	2.2	2.2	2.2
22.5°	30.2	4.3	2.2	2.2	2.2
25°	21.6	2.2	1.1	1.1	2.2
27.5°	15.1	1.1	1.1	1.1	2.2
30°	8.6	1.1	1.1	1.1	2.2
32.5°	4.3	1.1	1.1	2.2	2.2
35°	2.2	1.1	1.1	2.2	2.2
37.5°	1.1	1.1	1.1	2.2	3.2
40°	1.1	1.1	2.2	3.2	3.2
42.5°	1.1	1.1	2.2	3.2	4.3
45°	1.1	2.2	3.2	4.3	5.4
47.5°	2.2	2.2	4.3	5.4	6.5
50°	2.2	3.2	4.3	6.5	6.5
52.5°	2.2	3.2	5.4	6.5	7.5
55°	2.2	4.3	5.4	7.5	7.5
57.5°	3.2	4.3	5.4	7.5	7.5
60°	3.2	4.3	5.4	7.5	7.5
62.5°	3.2	4.3	5.4	7.5	7.5
65°	3.2	4.3	5.4	7.5	7.5
67.5°	3.2	4.3	5.4	6.5	7.5
70°	3.2	4.3	5.4	6.5	6.5
72.5°	4.3	4.3	5.4	6.5	6.5
75°	3.2	4.3	4.3	5.4	5.4
77.5°	3.2	3.2	3.2	4.3	4.3
80°	3.2	3.2	3.2	3.2	3.2
82.5°	3.2	2.2	2.2	3.2	3.2
85°	3.2	2.2	1.1	2.2	2.2
87.5°	2.2	2.2	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)