

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: P1313991

Luminaire Tested: LDSQA3D20R359727D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313991  
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: LDSQA3D20R359727D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

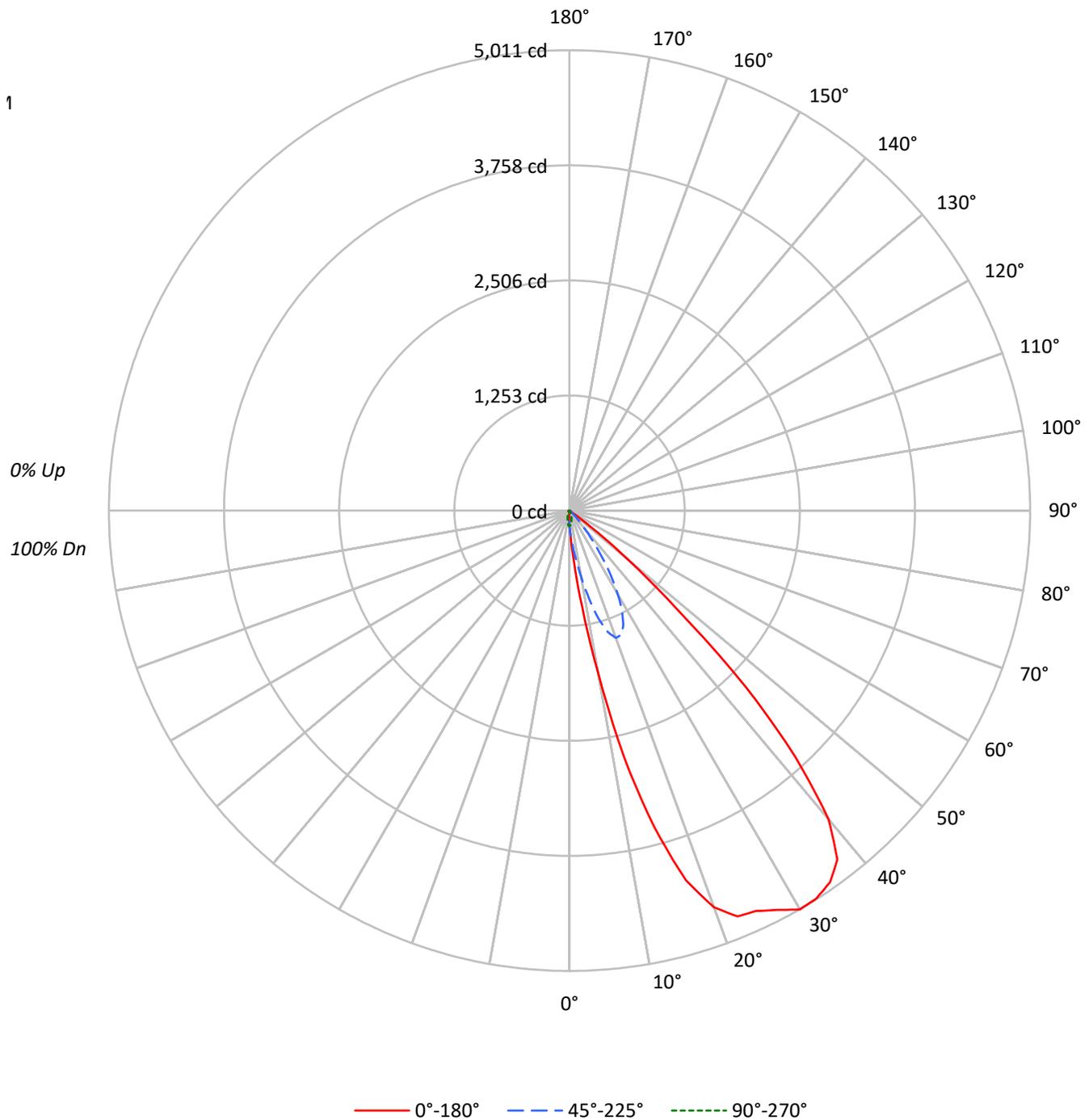
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1575.9 lumens  
Efficiency: N/A  
Efficacy: 54.7 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): 28.8  
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	51	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°	28503	28503	28503	28503	28503
5°	97090	63101	26658	11255	8316
10°	312475	127907	21038	4215	2728
15°	636649	216935	14888	1516	1016
20°	841894	270166	9585	513	513
25°	913496	262655	5378	266	532
30°	996496	209306	2247	278	557
35°	1038358	130268	589	294	589
40°	985344	56925	315	629	944
45°	657781	22748	341	1023	1729
50°	220614	3778	750	1527	2277
55°	12311	420	841	2132	2973
60°	964	482	1447	2446	3410
65°	1141	571	1712	2893	4034
70°	705	705	2115	3575	4280
75°	932	932	2795	3793	4724
80°	0	1389	4166	4166	4166
85°	0	2766	8299	2766	5533

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 657781 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.7	1.8
10°-20°	226.3	14.4
20°-30°	477.7	30.3
30°-40°	542.0	34.4
40°-50°	266.8	16.9
50°-60°	23.1	1.5
60°-70°	4.7	0.3
70°-80°	4.4	0.3
80°-90°	2.1	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°	732.8	46.5
0°-40°	1274.9	80.9
0°-60°	1564.8	99.3
0°-90°	1575.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1575.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	166	166	166	166	166	
5°	562	365	154	65	48	92
15°	3571	1217	84	8	6	1015
25°	4807	1382	28	1	3	2237
35°	4939	620	3	1	3	3044
45°	2701	93	1	4	7	1995
55°	41	1	3	7	10	161
65°	3	1	4	7	10	2
75°	1	1	4	6	7	1
85°	0	1	4	1	3	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°	165.5	165.5	165.5	165.5	165.5	165.5	165.5	165.5	165.5	165.5	165.5
2.5°	287.2	294.3	291.4	290.0	288.6	282.9	270.2	268.8	256.1	247.6	205.1
5°	561.6	550.3	553.2	537.6	517.8	489.5	471.1	431.5	399.0	365.0	239.1
7.5°	1058.2	1042.6	1012.9	967.7	921.0	860.1	768.2	694.6	609.7	529.1	266.0
10°	1786.8	1778.3	1740.1	1624.1	1522.2	1359.5	1206.8	1045.5	887.0	731.4	284.4
12.5°	2760.1	2702.1	2632.8	2478.6	2277.7	2074.0	1772.6	1493.9	1240.7	980.4	285.8
15°	3570.7	3534.0	3436.3	3235.5	2993.5	2699.3	2341.4	1966.5	1584.5	1216.7	271.6
17.5°	4222.9	4166.3	4040.4	3843.8	3565.1	3183.1	2764.4	2307.4	1842.0	1385.0	247.6
20°	4593.6	4563.9	4467.7	4271.0	3966.9	3549.5	3072.8	2540.8	2003.2	1474.1	216.5
22.5°	4780.3	4759.1	4688.4	4531.3	4247.0	3826.8	3280.7	2662.5	2049.9	1464.2	183.9
25°	4807.2	4801.5	4740.7	4621.9	4384.2	3968.3	3371.3	2685.1	2011.7	1382.2	152.8
27.5°	4900.6	4880.8	4808.6	4689.8	4450.7	3992.3	3340.1	2607.3	1888.6	1237.9	127.3
30°	5010.9	4996.8	4924.6	4801.5	4518.6	3969.7	3229.8	2434.7	1692.0	1052.5	94.8
32.5°	5002.4	4996.8	4935.9	4805.8	4470.5	3836.7	3033.2	2175.8	1424.6	830.4	59.4
35°	4938.8	4919.0	4842.6	4641.7	4196.0	3494.4	2659.7	1825.0	1127.5	619.6	38.2
37.5°	4786.0	4743.5	4614.8	4273.9	3705.1	2966.7	2165.9	1409.1	797.9	414.5	24.1
40°	4382.8	4329.0	4070.1	3658.5	3062.9	2337.1	1611.4	969.1	526.3	253.2	9.9
42.5°	3635.8	3526.9	3268.0	2845.0	2286.2	1652.4	1058.2	628.1	309.8	152.8	2.8
45°	2700.7	2617.2	2345.6	1962.2	1498.2	1059.6	640.9	339.5	171.2	93.4	1.4
47.5°	1573.2	1522.2	1382.2	1130.4	827.6	556.0	328.2	182.5	100.4	45.3	1.4
50°	823.4	759.7	653.6	495.2	365.0	256.1	159.9	97.6	49.5	14.1	1.4
52.5°	288.6	284.4	258.9	195.2	158.4	114.6	77.8	42.4	14.1	2.8	1.4
55°	41.0	41.0	38.2	42.4	45.3	41.0	26.9	11.3	2.8	1.4	1.4
57.5°	2.8	2.8	2.8	4.2	5.7	5.7	4.2	1.4	1.4	1.4	2.8
60°	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
62.5°	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
65°	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2
77.5°	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	2.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.8
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):**

	90°	112.5°	135°	157.5°	180°
0°	165.5	165.5	165.5	165.5	165.5
2.5°	164.1	131.6	104.7	92.0	87.7
5°	154.2	99.0	65.1	50.9	48.1
7.5°	137.2	70.7	39.6	28.3	26.9
10°	120.3	50.9	24.1	17.0	15.6
12.5°	100.4	35.4	15.6	9.9	8.5
15°	83.5	24.1	8.5	7.1	5.7
17.5°	66.5	15.6	5.7	4.2	5.7
20°	52.3	9.9	2.8	2.8	2.8
22.5°	39.6	5.7	2.8	2.8	2.8
25°	28.3	2.8	1.4	1.4	2.8
27.5°	19.8	1.4	1.4	1.4	2.8
30°	11.3	1.4	1.4	1.4	2.8
32.5°	5.7	1.4	1.4	2.8	2.8
35°	2.8	1.4	1.4	2.8	2.8
37.5°	1.4	1.4	1.4	2.8	4.2
40°	1.4	1.4	2.8	4.2	4.2
42.5°	1.4	1.4	2.8	4.2	5.7
45°	1.4	2.8	4.2	5.7	7.1
47.5°	2.8	2.8	5.7	7.1	8.5
50°	2.8	4.2	5.7	8.5	8.5
52.5°	2.8	4.2	7.1	8.5	9.9
55°	2.8	5.7	7.1	9.9	9.9
57.5°	4.2	5.7	7.1	9.9	9.9
60°	4.2	5.7	7.1	9.9	9.9
62.5°	4.2	5.7	7.1	9.9	9.9
65°	4.2	5.7	7.1	9.9	9.9
67.5°	4.2	5.7	7.1	8.5	9.9
70°	4.2	5.7	7.1	8.5	8.5
72.5°	5.7	5.7	7.1	8.5	8.5
75°	4.2	5.7	5.7	7.1	7.1
77.5°	4.2	4.2	4.2	5.7	5.7
80°	4.2	4.2	4.2	4.2	4.2
82.5°	4.2	2.8	2.8	4.2	4.2
85°	4.2	2.8	1.4	2.8	2.8
87.5°	2.8	2.8	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)