

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: P1315447

Luminaire Tested: LDSQA3D09R309735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315447  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R309735DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

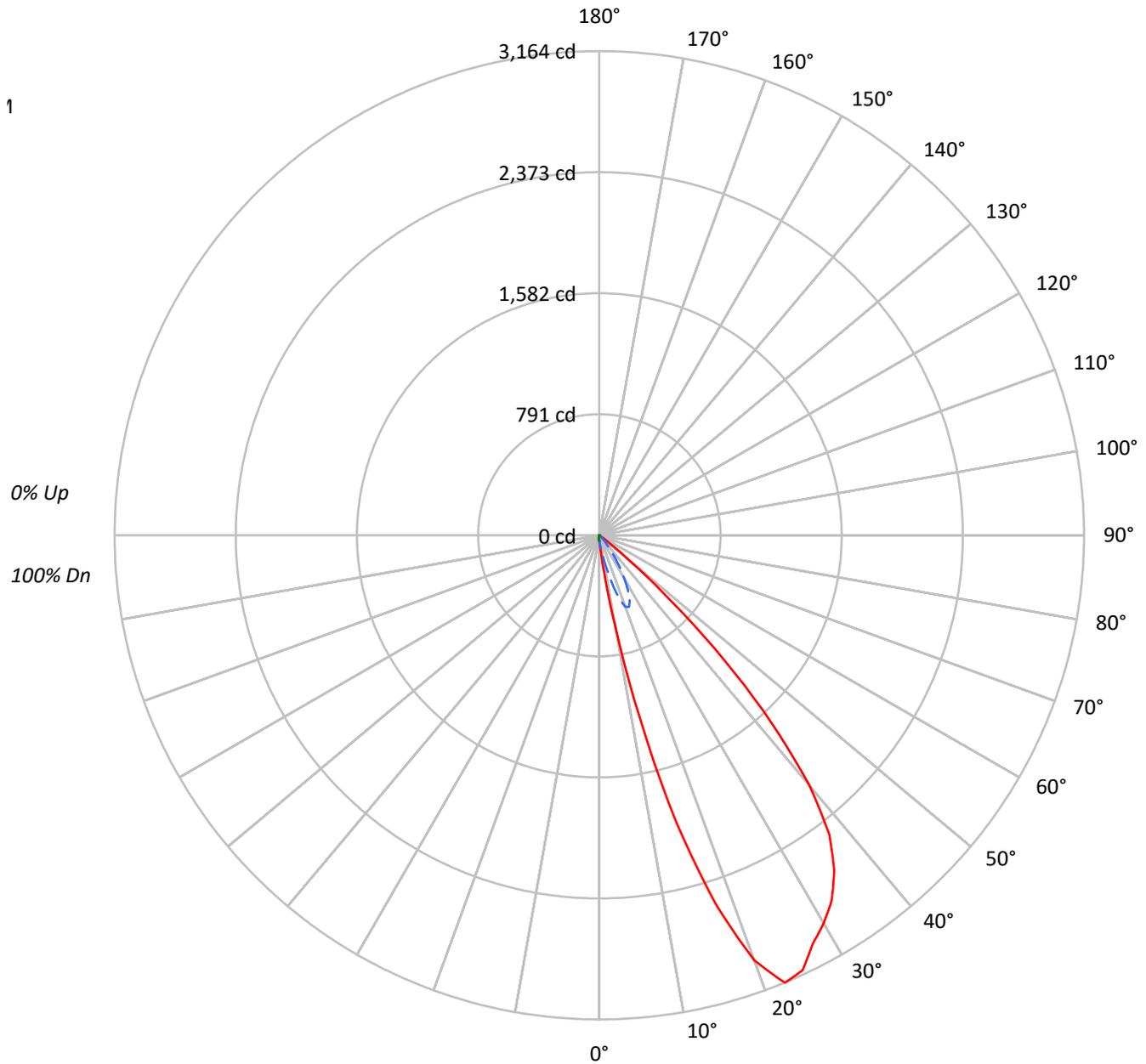
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 746.0 lumens  
Efficiency: N/A  
Efficacy: 67.2 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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



— 0°-180°    - - - 45°-225°    ····· 90°-270°



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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	100	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92	92	92	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83	83	83	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75	75	75	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68	68	68	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61	61	61	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55	55	55	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50	50	50	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45	45	45	45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41	41	41	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37	37	37	37

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

	0°	45°	90°	135°	180°
0°	6097	6097	6097	6097	6097
5°	18377	12257	5774	2593	2126
10°	106449	25987	4529	1189	839
15°	346273	58945	3156	250	125
20°	541836	91198	1998	0	0
25°	596133	89123	1045	0	0
30°	582239	64253	398	0	0
35°	561943	36541	147	0	0
40°	479228	15468	0	0	0
45°	281263	5821	170	0	170
50°	68296	1099	188	188	536
55°	5945	0	420	601	811
60°	241	0	482	689	1171
65°	285	285	815	815	1386
70°	352	352	1007	1007	1360
75°	0	466	1331	1331	1331
80°	0	694	1984	1389	1389
85°	0	1383	3952	1383	1383

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 281263 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.5	0.9
10°-20°	102.5	13.7
20°-30°	260.6	34.9
30°-40°	259.7	34.8
40°-50°	105.2	14.1
50°-60°	7.3	1.0
60°-70°	1.6	0.2
70°-80°	1.6	0.2
80°-90°	1.0	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°	369.6	49.5
0°-40°	629.3	84.4
0°-60°	741.8	99.4
0°-90°	746.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	746.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	35	35	35	35	35	
5°	106	71	33	15	12	25
15°	1942	331	18	1	1	565
25°	3137	469	6	0	0	1416
35°	2673	174	1	0	0	1638
45°	1155	24	1	0	1	881
55°	20	0	1	2	3	52
65°	1	1	2	2	3	1
75°	0	1	2	2	2	0
85°	0	1	2	1	1	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°	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
2.5°	58.6	59.3	59.3	57.9	57.3	57.3	55.2	54.5	52.5	50.4	43.6
5°	106.3	104.3	101.6	101.6	95.4	92.0	87.3	81.8	77.7	70.9	50.4
7.5°	241.3	225.0	220.2	214.0	190.9	172.5	151.3	132.9	115.9	101.6	55.9
10°	608.7	576.7	550.1	496.3	428.8	364.0	304.0	234.5	186.8	148.6	60.0
12.5°	1226.3	1183.4	1132.3	1034.1	908.0	746.4	603.3	450.6	316.3	218.8	61.4
15°	1942.1	1869.1	1789.4	1664.6	1458.1	1226.3	968.0	724.6	507.8	330.6	60.0
17.5°	2525.6	2497.0	2379.0	2208.6	1955.7	1657.1	1338.8	1006.1	685.1	432.9	55.9
20°	2956.4	2936.6	2794.2	2612.9	2327.9	1985.7	1581.5	1182.0	808.5	497.6	49.8
22.5°	3164.3	3160.9	3058.0	2872.6	2570.6	2182.7	1737.6	1283.6	846.6	506.5	41.6
25°	3137.1	3149.3	3090.7	2953.0	2663.3	2263.8	1783.9	1283.6	818.7	469.0	34.8
27.5°	3013.0	3021.2	2984.4	2878.7	2608.8	2205.2	1719.2	1201.1	737.6	402.9	28.6
30°	2927.8	2931.2	2885.5	2772.4	2486.1	2071.6	1566.5	1048.4	614.9	323.1	21.1
32.5°	2824.2	2823.5	2770.3	2640.8	2325.2	1884.1	1372.9	866.4	472.4	245.4	12.3
35°	2672.8	2655.8	2583.5	2434.3	2085.2	1631.9	1125.4	659.9	340.2	173.8	7.5
37.5°	2464.9	2420.6	2318.4	2118.6	1748.5	1279.5	834.4	463.5	232.5	115.2	4.8
40°	2131.6	2084.6	1945.5	1702.8	1322.4	920.9	562.4	302.0	146.6	68.8	2.7
42.5°	1671.5	1639.4	1452.0	1210.0	873.2	587.6	338.1	178.6	82.5	39.5	0.7
45°	1154.8	1113.2	965.9	760.7	524.2	325.8	189.5	93.4	47.0	23.9	0.0
47.5°	637.4	586.2	501.0	394.0	263.8	171.1	95.4	50.4	26.6	11.6	0.0
50°	254.9	252.9	201.1	143.2	100.9	77.7	47.7	27.3	13.6	4.1	0.7
52.5°	89.3	89.3	77.0	62.7	49.1	35.4	23.9	13.0	4.8	1.4	0.7
55°	19.8	21.8	20.5	19.1	18.4	15.7	10.2	4.8	1.4	0.0	0.7
57.5°	2.0	2.0	2.0	2.7	3.4	3.4	2.7	1.4	0.0	0.0	0.7
60°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.4
62.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7	1.4
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
75°	0.0	0.0	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	2.0
77.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4
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°	35.4	35.4	35.4	35.4	35.4
2.5°	35.4	27.9	23.2	20.5	19.8
5°	33.4	21.1	15.0	13.0	12.3
7.5°	30.0	15.7	10.2	8.2	7.5
10°	25.9	11.6	6.8	4.8	4.8
12.5°	21.8	8.9	4.1	2.0	1.4
15°	17.7	5.5	1.4	0.7	0.7
17.5°	13.6	3.4	0.0	0.0	0.0
20°	10.9	1.4	0.0	0.0	0.0
22.5°	8.2	0.7	0.0	0.0	0.0
25°	5.5	0.0	0.0	0.0	0.0
27.5°	3.4	0.0	0.0	0.0	0.0
30°	2.0	0.0	0.0	0.0	0.0
32.5°	0.7	0.0	0.0	0.0	0.0
35°	0.7	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.7	0.0	0.0	0.7	0.7
47.5°	0.7	0.7	0.7	1.4	1.4
50°	0.7	0.7	0.7	1.4	2.0
52.5°	1.4	0.7	1.4	2.0	2.0
55°	1.4	1.4	2.0	2.7	2.7
57.5°	1.4	1.4	2.0	2.7	2.7
60°	1.4	1.4	2.0	2.7	3.4
62.5°	2.0	2.0	2.0	2.7	2.7
65°	2.0	2.0	2.0	2.7	3.4
67.5°	2.0	2.0	2.0	2.7	3.4
70°	2.0	2.0	2.0	2.7	2.7
72.5°	2.7	2.0	2.0	2.7	2.7
75°	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	1.4	2.0	2.0
80°	2.0	1.4	1.4	1.4	1.4
82.5°	2.0	1.4	1.4	1.4	1.4
85°	2.0	1.4	0.7	0.7	0.7
87.5°	2.0	1.4	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)