

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: P1315918

Luminaire Tested: LDSQA3D20R309735D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

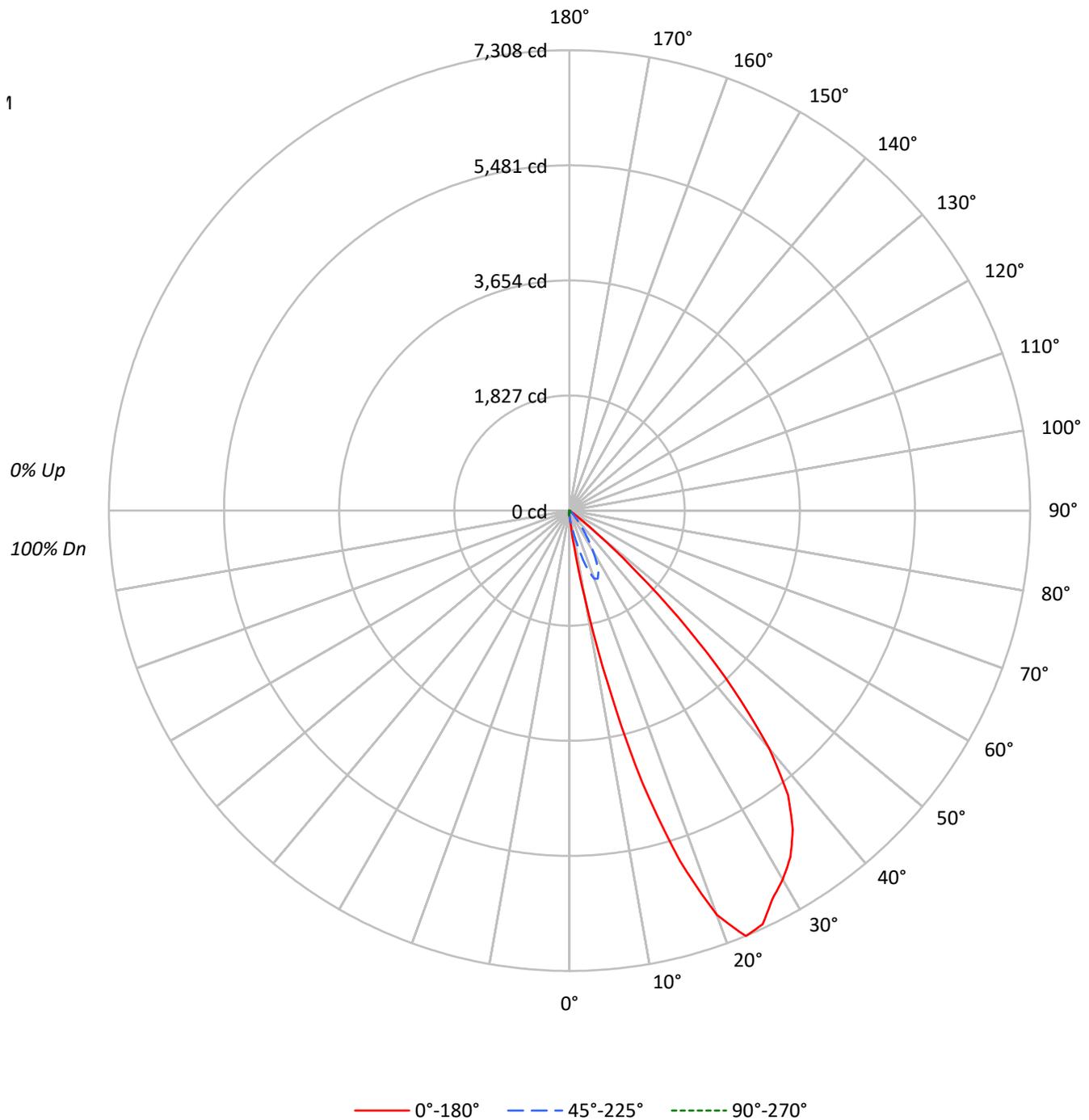
Test Method: LM-79-2019  
Report Number: P1315918  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R309735D010 3LSQCA30R 1MW  
Description: 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: 1723.0 lumens  
Efficiency: N/A  
Efficacy: 59.8 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): 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

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

	0°	45°	90°	135°	180°
0°	14105	14105	14105	14105	14105
5°	42459	28301	13329	5982	4893
10°	245881	60019	10458	2746	1924
15°	799756	136148	7292	553	285
20°	1251460	210639	4619	0	0
25°	1376838	205837	2394	0	0
30°	1344769	148413	935	0	0
35°	1297906	84413	336	0	0
40°	1106837	35746	0	0	0
45°	649598	13420	390	0	390
50°	157758	2519	429	429	1259
55°	13722	0	931	1411	1892
60°	551	0	1068	1619	2721
65°	652	652	1915	1915	3219
70°	806	806	2367	2367	3172
75°	0	1065	3127	3127	3127
80°	0	1587	4661	3075	3075
85°	0	3162	9287	3162	3162

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 649598 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.0	0.9
10°-20°	236.8	13.7
20°-30°	601.8	34.9
30°-40°	599.8	34.8
40°-50°	243.0	14.1
50°-60°	16.8	1.0
60°-70°	3.8	0.2
70°-80°	3.8	0.2
80°-90°	2.2	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°	853.6	49.5
0°-40°	1453.4	84.4
0°-60°	1713.2	99.4
0°-90°	1723.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1723.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	82	82	82	82	82	
5°	246	164	77	35	28	57
15°	4486	764	41	3	2	1305
25°	7246	1083	13	0	0	3271
35°	6173	402	2	0	0	3784
45°	2667	55	2	0	2	2035
55°	46	0	3	5	6	119
65°	2	2	5	5	8	2
75°	0	2	5	5	5	1
85°	0	2	5	2	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°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
2.5°	135.4	137.0	137.0	133.8	132.3	132.3	127.5	126.0	121.2	116.5	100.8
5°	245.6	240.9	234.6	234.6	220.4	212.5	201.5	188.9	179.5	163.7	116.5
7.5°	557.3	519.6	508.5	494.4	440.8	398.3	349.5	307.0	267.7	234.6	129.1
10°	1406.0	1332.0	1270.6	1146.2	990.3	840.7	702.2	541.6	431.4	343.2	138.5
12.5°	2832.4	2733.2	2615.1	2388.4	2097.1	1724.0	1393.4	1040.7	730.5	505.4	141.7
15°	4485.5	4317.1	4132.9	3844.8	3367.7	2832.4	2235.7	1673.6	1172.9	763.6	138.5
17.5°	5833.3	5767.1	5494.8	5101.1	4517.0	3827.4	3092.2	2323.9	1582.3	999.8	129.1
20°	6828.3	6782.6	6453.6	6034.8	5376.7	4586.3	3652.7	2730.1	1867.3	1149.3	114.9
22.5°	7308.5	7300.6	7062.9	6634.6	5937.2	5041.3	4013.2	2964.6	1955.4	1169.8	96.0
25°	7245.5	7273.9	7138.5	6820.4	6151.3	5228.7	4120.3	2964.6	1890.9	1083.2	80.3
27.5°	6959.0	6977.9	6892.8	6648.8	6025.3	5093.3	3970.7	2774.1	1703.5	930.5	66.1
30°	6762.2	6770.0	6664.6	6403.2	5741.9	4784.7	3618.0	2421.5	1420.1	746.3	48.8
32.5°	6522.9	6521.3	6398.5	6099.3	5370.4	4351.7	3170.9	2001.1	1091.1	566.8	28.3
35°	6173.3	6134.0	5967.1	5622.3	4816.2	3769.2	2599.4	1524.0	785.6	401.5	17.3
37.5°	5693.1	5590.8	5354.6	4893.3	4038.4	2955.2	1927.1	1070.6	536.9	266.1	11.0
40°	4923.2	4814.6	4493.4	3932.9	3054.4	2127.1	1298.9	697.5	338.5	159.0	6.3
42.5°	3860.5	3786.5	3353.5	2794.6	2016.8	1357.2	780.9	412.5	190.5	91.3	1.6
45°	2667.1	2571.0	2231.0	1757.1	1210.7	752.6	437.7	215.7	108.6	55.1	0.0
47.5°	1472.1	1354.0	1157.2	910.0	609.3	395.2	220.4	116.5	61.4	26.8	0.0
50°	588.8	584.1	464.5	330.6	233.0	179.5	110.2	63.0	31.5	9.4	1.6
52.5°	206.2	206.2	177.9	144.8	113.4	81.9	55.1	29.9	11.0	3.1	1.6
55°	45.7	50.4	47.2	44.1	42.5	36.2	23.6	11.0	3.1	0.0	1.6
57.5°	4.7	4.7	4.7	6.3	7.9	7.9	6.3	3.1	0.0	0.0	1.6
60°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	3.1
62.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	1.6	1.6	3.1
65°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7
75°	0.0	0.0	1.6	1.6	0.0	1.6	1.6	1.6	1.6	1.6	4.7
77.5°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.1
82.5°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	3.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.1
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°	81.9	81.9	81.9	81.9	81.9
2.5°	81.9	64.6	53.5	47.2	45.7
5°	77.1	48.8	34.6	29.9	28.3
7.5°	69.3	36.2	23.6	18.9	17.3
10°	59.8	26.8	15.7	11.0	11.0
12.5°	50.4	20.5	9.4	4.7	3.1
15°	40.9	12.6	3.1	1.6	1.6
17.5°	31.5	7.9	0.0	0.0	0.0
20°	25.2	3.1	0.0	0.0	0.0
22.5°	18.9	1.6	0.0	0.0	0.0
25°	12.6	0.0	0.0	0.0	0.0
27.5°	7.9	0.0	0.0	0.0	0.0
30°	4.7	0.0	0.0	0.0	0.0
32.5°	1.6	0.0	0.0	0.0	0.0
35°	1.6	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°	1.6	0.0	0.0	1.6	1.6
47.5°	1.6	1.6	1.6	3.1	3.1
50°	1.6	1.6	1.6	3.1	4.7
52.5°	3.1	1.6	3.1	4.7	4.7
55°	3.1	3.1	4.7	6.3	6.3
57.5°	3.1	3.1	4.7	6.3	6.3
60°	3.1	3.1	4.7	6.3	7.9
62.5°	4.7	4.7	4.7	6.3	6.3
65°	4.7	4.7	4.7	6.3	7.9
67.5°	4.7	4.7	4.7	6.3	7.9
70°	4.7	4.7	4.7	6.3	6.3
72.5°	6.3	4.7	4.7	6.3	6.3
75°	4.7	4.7	4.7	4.7	4.7
77.5°	4.7	4.7	3.1	4.7	4.7
80°	4.7	3.1	3.1	3.1	3.1
82.5°	4.7	3.1	3.1	3.1	3.1
85°	4.7	3.1	1.6	1.6	1.6
87.5°	4.7	3.1	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)