

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: P1316907

Luminaire Tested: LDSQA3D20R359740D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

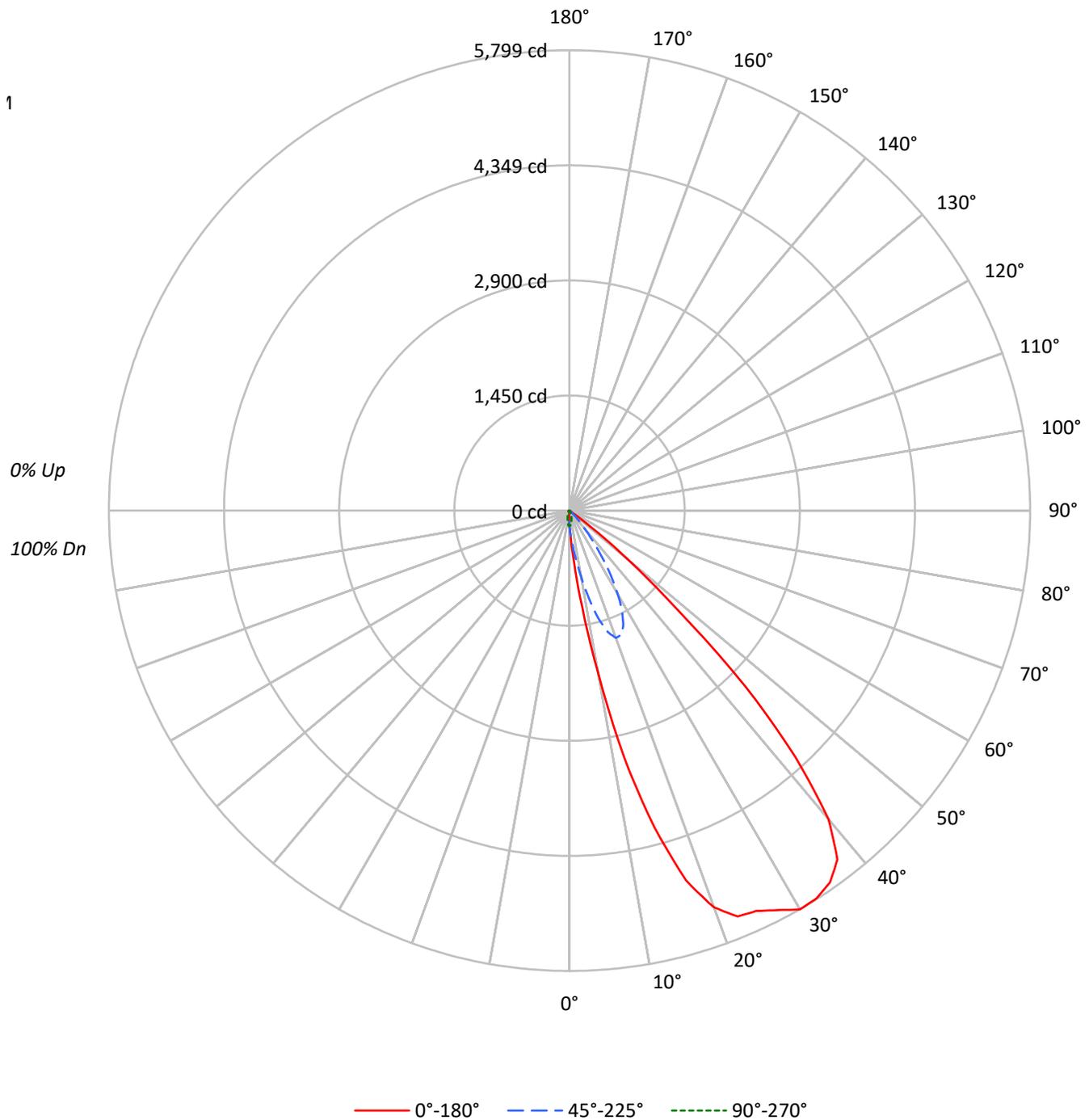
Test Method: LM-79-2019  
Report Number: P1316907  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R359740D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1823.9 lumens  
Efficiency: N/A  
Efficacy: 63.3 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	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°	32998	32998	32998	32998	32998
5°	112372	73025	30859	13018	9629
10°	361651	148035	24343	4862	3148
15°	736834	251061	17224	1747	1159
20°	974366	312686	11106	605	605
25°	1057251	303986	6214	304	627
30°	1153301	242258	2605	318	656
35°	1201740	150788	694	336	694
40°	1140403	65895	360	742	1102
45°	761294	26329	390	1193	1997
50°	255311	4394	884	1742	2626
55°	14262	480	991	2462	3453
60°	1137	551	1688	2824	3961
65°	1345	652	1997	3342	4686
70°	806	806	2467	4129	4935
75°	1065	1065	3261	4325	5456
80°	0	1587	4860	4860	4860
85°	0	3162	9683	3162	6521

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 761294 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.3	1.8
10°-20°	261.9	14.4
20°-30°	552.9	30.3
30°-40°	627.3	34.4
40°-50°	308.8	16.9
50°-60°	26.8	1.5
60°-70°	5.4	0.3
70°-80°	5.0	0.3
80°-90°	2.5	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°	848.1	46.5
0°-40°	1475.5	80.9
0°-60°	1811.0	99.3
0°-90°	1823.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1823.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	192	192	192	192	192	
5°	650	422	178	75	56	107
15°	4133	1408	97	10	6	1175
25°	5564	1600	33	2	3	2589
35°	5716	717	3	2	3	3523
45°	3126	108	2	5	8	2309
55°	48	2	3	8	12	186
65°	3	2	5	8	12	3
75°	2	2	5	6	8	1
85°	0	2	5	2	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°	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6
2.5°	332.4	340.6	337.3	335.7	334.0	327.5	312.7	311.1	296.4	286.5	237.4
5°	650.0	636.9	640.2	622.2	599.3	566.5	545.2	499.4	461.7	422.4	276.7
7.5°	1224.7	1206.7	1172.3	1119.9	1065.9	995.5	889.1	803.9	705.7	612.4	307.8
10°	2068.0	2058.1	2013.9	1879.7	1761.8	1573.5	1396.6	1210.0	1026.6	846.5	329.1
12.5°	3194.4	3127.3	3047.1	2868.6	2636.1	2400.3	2051.6	1729.0	1435.9	1134.7	330.7
15°	4132.6	4090.1	3977.1	3744.6	3464.6	3124.0	2709.8	2275.9	1833.8	1408.1	314.4
17.5°	4887.5	4822.0	4676.2	4448.6	4126.1	3684.0	3199.4	2670.5	2131.8	1603.0	286.5
20°	5316.4	5282.0	5170.7	4943.1	4591.1	4108.1	3556.3	2940.7	2318.5	1706.1	250.5
22.5°	5532.6	5508.0	5426.1	5244.4	4915.3	4429.0	3797.0	3081.5	2372.5	1694.6	212.9
25°	5563.7	5557.1	5486.7	5349.2	5074.1	4592.7	3901.8	3107.7	2328.3	1599.7	176.8
27.5°	5671.7	5648.8	5565.3	5427.8	5151.1	4620.6	3865.8	3017.6	2185.8	1432.7	147.4
30°	5799.4	5783.1	5699.6	5557.1	5229.7	4594.4	3738.0	2817.9	1958.3	1218.2	109.7
32.5°	5789.6	5783.1	5712.7	5562.0	5174.0	4440.5	3510.5	2518.2	1648.8	961.1	68.8
35°	5715.9	5693.0	5604.6	5372.1	4856.3	4044.2	3078.2	2112.2	1305.0	717.2	44.2
37.5°	5539.1	5490.0	5341.0	4946.4	4288.2	3433.5	2506.8	1630.8	923.5	479.7	27.8
40°	5072.5	5010.3	4710.6	4234.2	3544.8	2704.9	1864.9	1121.6	609.1	293.1	11.5
42.5°	4208.0	4081.9	3782.2	3292.7	2645.9	1912.4	1224.7	727.0	358.6	176.8	3.3
45°	3125.7	3029.1	2714.7	2271.0	1733.9	1226.4	741.7	393.0	198.1	108.1	1.6
47.5°	1820.7	1761.8	1599.7	1308.2	957.8	643.5	379.9	211.2	116.3	52.4	1.6
50°	952.9	879.3	756.4	573.1	422.4	296.4	185.0	113.0	57.3	16.4	1.6
52.5°	334.0	329.1	299.6	226.0	183.4	132.6	90.1	49.1	16.4	3.3	1.6
55°	47.5	47.5	44.2	49.1	52.4	47.5	31.1	13.1	3.3	1.6	1.6
57.5°	3.3	3.3	3.3	4.9	6.5	6.5	4.9	1.6	1.6	1.6	3.3
60°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3
62.5°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3
65°	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9
77.5°	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.3
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°	191.6	191.6	191.6	191.6	191.6
2.5°	189.9	152.3	121.2	106.4	101.5
5°	178.5	114.6	75.3	58.9	55.7
7.5°	158.8	81.9	45.8	32.7	31.1
10°	139.2	58.9	27.8	19.6	18.0
12.5°	116.3	40.9	18.0	11.5	9.8
15°	96.6	27.8	9.8	8.2	6.5
17.5°	77.0	18.0	6.5	4.9	6.5
20°	60.6	11.5	3.3	3.3	3.3
22.5°	45.8	6.5	3.3	3.3	3.3
25°	32.7	3.3	1.6	1.6	3.3
27.5°	22.9	1.6	1.6	1.6	3.3
30°	13.1	1.6	1.6	1.6	3.3
32.5°	6.5	1.6	1.6	3.3	3.3
35°	3.3	1.6	1.6	3.3	3.3
37.5°	1.6	1.6	1.6	3.3	4.9
40°	1.6	1.6	3.3	4.9	4.9
42.5°	1.6	1.6	3.3	4.9	6.5
45°	1.6	3.3	4.9	6.5	8.2
47.5°	3.3	3.3	6.5	8.2	9.8
50°	3.3	4.9	6.5	9.8	9.8
52.5°	3.3	4.9	8.2	9.8	11.5
55°	3.3	6.5	8.2	11.5	11.5
57.5°	4.9	6.5	8.2	11.5	11.5
60°	4.9	6.5	8.2	11.5	11.5
62.5°	4.9	6.5	8.2	11.5	11.5
65°	4.9	6.5	8.2	11.5	11.5
67.5°	4.9	6.5	8.2	9.8	11.5
70°	4.9	6.5	8.2	9.8	9.8
72.5°	6.5	6.5	8.2	9.8	9.8
75°	4.9	6.5	6.5	8.2	8.2
77.5°	4.9	4.9	4.9	6.5	6.5
80°	4.9	4.9	4.9	4.9	4.9
82.5°	4.9	3.3	3.3	4.9	4.9
85°	4.9	3.3	1.6	3.3	3.3
87.5°	3.3	3.3	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)