

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: P1310033

Luminaire Tested: LDSQA3D05R309035DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

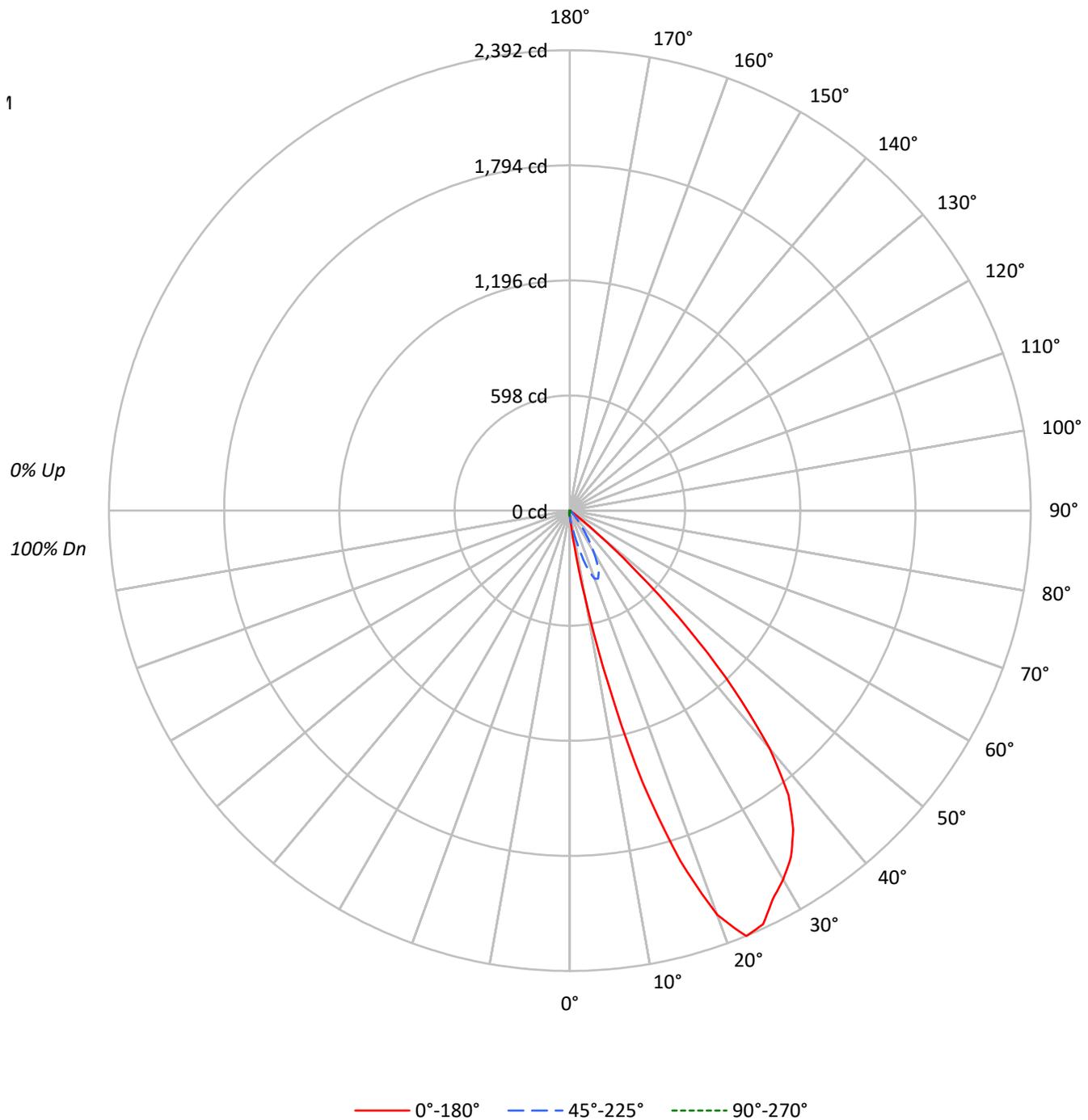
Test Method: LM-79-2019  
Report Number: P1310033  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309035DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 563.9 lumens  
Efficiency: N/A  
Efficacy: 78.3 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): 7.2  
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	92
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	56	51	47	45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	52	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	48	43	39	37

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

	0°	45°	90°	135°	180°
0°	4616	4616	4616	4616	4616
5°	13900	9266	4374	1954	1608
10°	80480	19639	3428	909	630
15°	261795	44574	2389	178	89
20°	409639	68948	1503	0	0
25°	450686	67383	779	0	0
30°	440189	48583	298	0	0
35°	424863	27626	105	0	0
40°	362321	11713	0	0	0
45°	212628	4384	122	0	122
50°	51630	831	134	134	402
55°	4474	0	300	450	631
60°	172	0	344	517	896
65°	204	204	611	611	1060
70°	252	252	755	755	1057
75°	0	333	998	998	998
80°	0	496	1488	992	992
85°	0	988	2964	988	988

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 212628 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.9	0.9
10°-20°	77.5	13.7
20°-30°	197.0	34.9
30°-40°	196.3	34.8
40°-50°	79.5	14.1
50°-60°	5.5	1.0
60°-70°	1.2	0.2
70°-80°	1.2	0.2
80°-90°	0.7	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°	279.4	49.6
0°-40°	475.8	84.4
0°-60°	560.8	99.4
0°-90°	563.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	563.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	27	27	27	27	27	
5°	80	54	25	11	9	19
15°	1468	250	13	1	0	427
25°	2372	355	4	0	0	1071
35°	2021	131	0	0	0	1239
45°	873	18	0	0	0	666
55°	15	0	1	2	2	39
65°	0	0	2	2	3	0
75°	0	0	2	2	2	0
85°	0	0	2	0	0	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°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
2.5°	44.3	44.8	44.8	43.8	43.3	43.3	41.7	41.2	39.7	38.1	33.0
5°	80.4	78.9	76.8	76.8	72.2	69.6	66.0	61.8	58.8	53.6	38.1
7.5°	182.4	170.1	166.5	161.8	144.3	130.4	114.4	100.5	87.6	76.8	42.3
10°	460.2	436.0	415.9	375.2	324.2	275.2	229.9	177.3	141.2	112.3	45.4
12.5°	927.1	894.7	856.0	781.8	686.5	564.3	456.1	340.7	239.1	165.4	46.4
15°	1468.3	1413.1	1352.8	1258.5	1102.4	927.1	731.8	547.8	383.9	250.0	45.4
17.5°	1909.4	1887.8	1798.6	1669.8	1478.6	1252.9	1012.2	760.7	517.9	327.3	42.3
20°	2235.1	2220.2	2112.5	1975.4	1760.0	1501.3	1195.7	893.6	611.2	376.2	37.6
22.5°	2392.3	2389.8	2311.9	2171.8	1943.4	1650.2	1313.7	970.4	640.1	382.9	31.4
25°	2371.7	2381.0	2336.7	2232.6	2013.5	1711.5	1348.7	970.4	619.0	354.6	26.3
27.5°	2277.9	2284.1	2256.3	2176.4	1972.3	1667.2	1299.8	908.1	557.6	304.6	21.6
30°	2213.5	2216.1	2181.5	2096.0	1879.5	1566.2	1184.3	792.6	464.9	244.3	16.0
32.5°	2135.2	2134.6	2094.5	1996.5	1757.9	1424.5	1037.9	655.0	357.1	185.5	9.3
35°	2020.8	2007.9	1953.2	1840.4	1576.5	1233.8	850.9	498.9	257.2	131.4	5.7
37.5°	1863.6	1830.1	1752.8	1601.8	1321.9	967.3	630.8	350.4	175.7	87.1	3.6
40°	1611.6	1576.0	1470.9	1287.4	999.8	696.3	425.2	228.3	110.8	52.1	2.1
42.5°	1263.7	1239.5	1097.7	914.8	660.2	444.2	255.6	135.0	62.4	29.9	0.5
45°	873.0	841.6	730.3	575.1	396.3	246.3	143.3	70.6	35.6	18.0	0.0
47.5°	481.9	443.2	378.8	297.9	199.4	129.4	72.2	38.1	20.1	8.8	0.0
50°	192.7	191.2	152.0	108.2	76.3	58.8	36.1	20.6	10.3	3.1	0.5
52.5°	67.5	67.5	58.2	47.4	37.1	26.8	18.0	9.8	3.6	1.0	0.5
55°	14.9	16.5	15.5	14.4	13.9	11.9	7.7	3.6	1.0	0.0	0.5
57.5°	1.5	1.5	1.5	2.1	2.6	2.6	2.1	1.0	0.0	0.0	0.5
60°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	1.0
62.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5	1.0
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
75°	0.0	0.0	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
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°	26.8	26.8	26.8	26.8	26.8
2.5°	26.8	21.1	17.5	15.5	14.9
5°	25.3	16.0	11.3	9.8	9.3
7.5°	22.7	11.9	7.7	6.2	5.7
10°	19.6	8.8	5.2	3.6	3.6
12.5°	16.5	6.7	3.1	1.5	1.0
15°	13.4	4.1	1.0	0.5	0.5
17.5°	10.3	2.6	0.0	0.0	0.0
20°	8.2	1.0	0.0	0.0	0.0
22.5°	6.2	0.5	0.0	0.0	0.0
25°	4.1	0.0	0.0	0.0	0.0
27.5°	2.6	0.0	0.0	0.0	0.0
30°	1.5	0.0	0.0	0.0	0.0
32.5°	0.5	0.0	0.0	0.0	0.0
35°	0.5	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°	0.5	0.0	0.0	0.5	0.5
47.5°	0.5	0.5	0.5	1.0	1.0
50°	0.5	0.5	0.5	1.0	1.5
52.5°	1.0	0.5	1.0	1.5	1.5
55°	1.0	1.0	1.5	2.1	2.1
57.5°	1.0	1.0	1.5	2.1	2.1
60°	1.0	1.0	1.5	2.1	2.6
62.5°	1.5	1.5	1.5	2.1	2.1
65°	1.5	1.5	1.5	2.1	2.6
67.5°	1.5	1.5	1.5	2.1	2.6
70°	1.5	1.5	1.5	2.1	2.1
72.5°	2.1	1.5	1.5	2.1	2.1
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.0	1.5	1.5
80°	1.5	1.0	1.0	1.0	1.0
82.5°	1.5	1.0	1.0	1.0	1.0
85°	1.5	1.0	0.5	0.5	0.5
87.5°	1.5	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)