

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: P1312256

Luminaire Tested: LDSQA3D05R359050DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

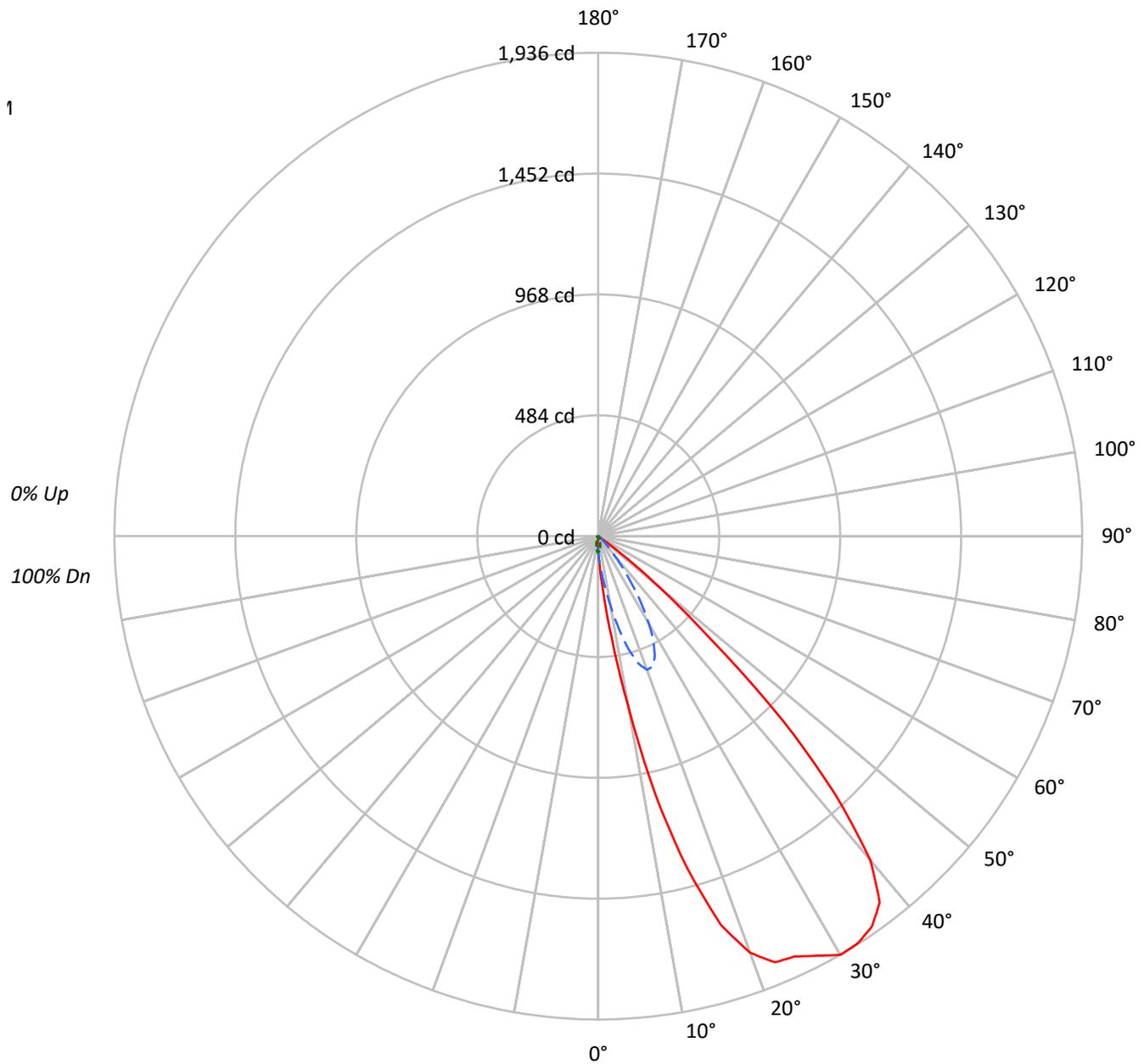
Test Method: LM-79-2019  
Report Number: P1312256  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R359050DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 608.9 lumens  
Efficiency: N/A  
Efficacy: 84.6 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): 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



— 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	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°	11022	11022	11022	11022	11022
5°	37515	24376	10304	4339	3216
10°	120754	49421	8132	1626	1049
15°	246016	83818	5759	588	392
20°	325332	104394	3702	202	202
25°	352994	101493	2071	95	209
30°	385063	80879	875	99	219
35°	401232	50333	231	105	231
40°	380756	22010	112	247	360
45°	254179	8793	122	390	658
50°	85256	1474	295	589	884
55°	4774	150	330	811	1141
60°	379	172	551	930	1309
65°	448	204	652	1100	1549
70°	252	252	806	1360	1662
75°	333	333	1065	1464	1797
80°	0	496	1587	1587	1587
85°	0	988	3162	988	2174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 254179 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.1	1.8
10°-20°	87.5	14.4
20°-30°	184.6	30.3
30°-40°	209.5	34.4
40°-50°	103.1	16.9
50°-60°	8.9	1.5
60°-70°	1.8	0.3
70°-80°	1.7	0.3
80°-90°	0.8	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°	283.2	46.5
0°-40°	492.6	80.9
0°-60°	604.6	99.3
0°-90°	608.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	608.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	64	64	64	64	64	
5°	217	141	60	25	19	36
15°	1380	470	32	3	2	392
25°	1858	534	11	0	1	864
35°	1908	239	1	0	1	1176
45°	1044	36	0	2	3	771
55°	16	0	1	3	4	62
65°	1	0	2	3	4	1
75°	0	0	2	2	3	0
85°	0	0	2	0	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°	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
2.5°	111.0	113.7	112.6	112.1	111.5	109.3	104.4	103.9	98.9	95.7	79.3
5°	217.0	212.7	213.8	207.7	200.1	189.2	182.0	166.7	154.2	141.0	92.4
7.5°	408.9	402.9	391.4	373.9	355.9	332.4	296.8	268.4	235.6	204.5	102.8
10°	690.5	687.2	672.4	627.6	588.2	525.4	466.3	404.0	342.8	282.6	109.9
12.5°	1066.6	1044.2	1017.4	957.8	880.1	801.4	685.0	577.3	479.4	378.8	110.4
15°	1379.8	1365.6	1327.9	1250.2	1156.8	1043.1	904.7	759.9	612.3	470.1	105.0
17.5°	1631.8	1610.0	1561.3	1485.3	1377.6	1230.0	1068.2	891.6	711.8	535.2	95.7
20°	1775.1	1763.6	1726.4	1650.4	1532.9	1371.6	1187.4	981.8	774.1	569.6	83.6
22.5°	1847.2	1839.0	1811.7	1751.0	1641.1	1478.8	1267.7	1028.8	792.1	565.8	71.1
25°	1857.6	1855.4	1831.9	1786.0	1694.2	1533.4	1302.7	1037.6	777.4	534.1	59.0
27.5°	1893.7	1886.0	1858.2	1812.2	1719.8	1542.7	1290.7	1007.5	729.8	478.3	49.2
30°	1936.3	1930.9	1903.0	1855.4	1746.1	1534.0	1248.1	940.8	653.8	406.7	36.6
32.5°	1933.0	1930.9	1907.4	1857.1	1727.5	1482.6	1172.1	840.8	550.5	320.9	23.0
35°	1908.4	1900.8	1871.3	1793.6	1621.4	1350.3	1027.8	705.2	435.7	239.4	14.8
37.5°	1849.4	1833.0	1783.3	1651.5	1431.7	1146.4	837.0	544.5	308.3	160.2	9.3
40°	1693.6	1672.8	1572.8	1413.7	1183.6	903.1	622.7	374.5	203.4	97.9	3.8
42.5°	1405.0	1362.9	1262.8	1099.4	883.4	638.5	408.9	242.7	119.7	59.0	1.1
45°	1043.6	1011.4	906.4	758.2	578.9	409.5	247.6	131.2	66.1	36.1	0.5
47.5°	607.9	588.2	534.1	436.8	319.8	214.8	126.8	70.5	38.8	17.5	0.5
50°	318.2	293.6	252.6	191.3	141.0	98.9	61.8	37.7	19.1	5.5	0.5
52.5°	111.5	109.9	100.0	75.4	61.2	44.3	30.1	16.4	5.5	1.1	0.5
55°	15.9	15.9	14.8	16.4	17.5	15.9	10.4	4.4	1.1	0.5	0.5
57.5°	1.1	1.1	1.1	1.6	2.2	2.2	1.6	0.5	0.5	0.5	1.1
60°	1.1	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
62.5°	1.1	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
65°	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
77.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1
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°	64.0	64.0	64.0	64.0	64.0
2.5°	63.4	50.8	40.5	35.5	33.9
5°	59.6	38.3	25.1	19.7	18.6
7.5°	53.0	27.3	15.3	10.9	10.4
10°	46.5	19.7	9.3	6.6	6.0
12.5°	38.8	13.7	6.0	3.8	3.3
15°	32.3	9.3	3.3	2.7	2.2
17.5°	25.7	6.0	2.2	1.6	2.2
20°	20.2	3.8	1.1	1.1	1.1
22.5°	15.3	2.2	1.1	1.1	1.1
25°	10.9	1.1	0.5	0.5	1.1
27.5°	7.7	0.5	0.5	0.5	1.1
30°	4.4	0.5	0.5	0.5	1.1
32.5°	2.2	0.5	0.5	1.1	1.1
35°	1.1	0.5	0.5	1.1	1.1
37.5°	0.5	0.5	0.5	1.1	1.6
40°	0.5	0.5	1.1	1.6	1.6
42.5°	0.5	0.5	1.1	1.6	2.2
45°	0.5	1.1	1.6	2.2	2.7
47.5°	1.1	1.1	2.2	2.7	3.3
50°	1.1	1.6	2.2	3.3	3.3
52.5°	1.1	1.6	2.7	3.3	3.8
55°	1.1	2.2	2.7	3.8	3.8
57.5°	1.6	2.2	2.7	3.8	3.8
60°	1.6	2.2	2.7	3.8	3.8
62.5°	1.6	2.2	2.7	3.8	3.8
65°	1.6	2.2	2.7	3.8	3.8
67.5°	1.6	2.2	2.7	3.3	3.8
70°	1.6	2.2	2.7	3.3	3.3
72.5°	2.2	2.2	2.7	3.3	3.3
75°	1.6	2.2	2.2	2.7	2.7
77.5°	1.6	1.6	1.6	2.2	2.2
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.1	1.1	1.6	1.6
85°	1.6	1.1	0.5	1.1	1.1
87.5°	1.1	1.1	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)