

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: P1308976

Luminaire Tested: LDSQA3D05R559030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

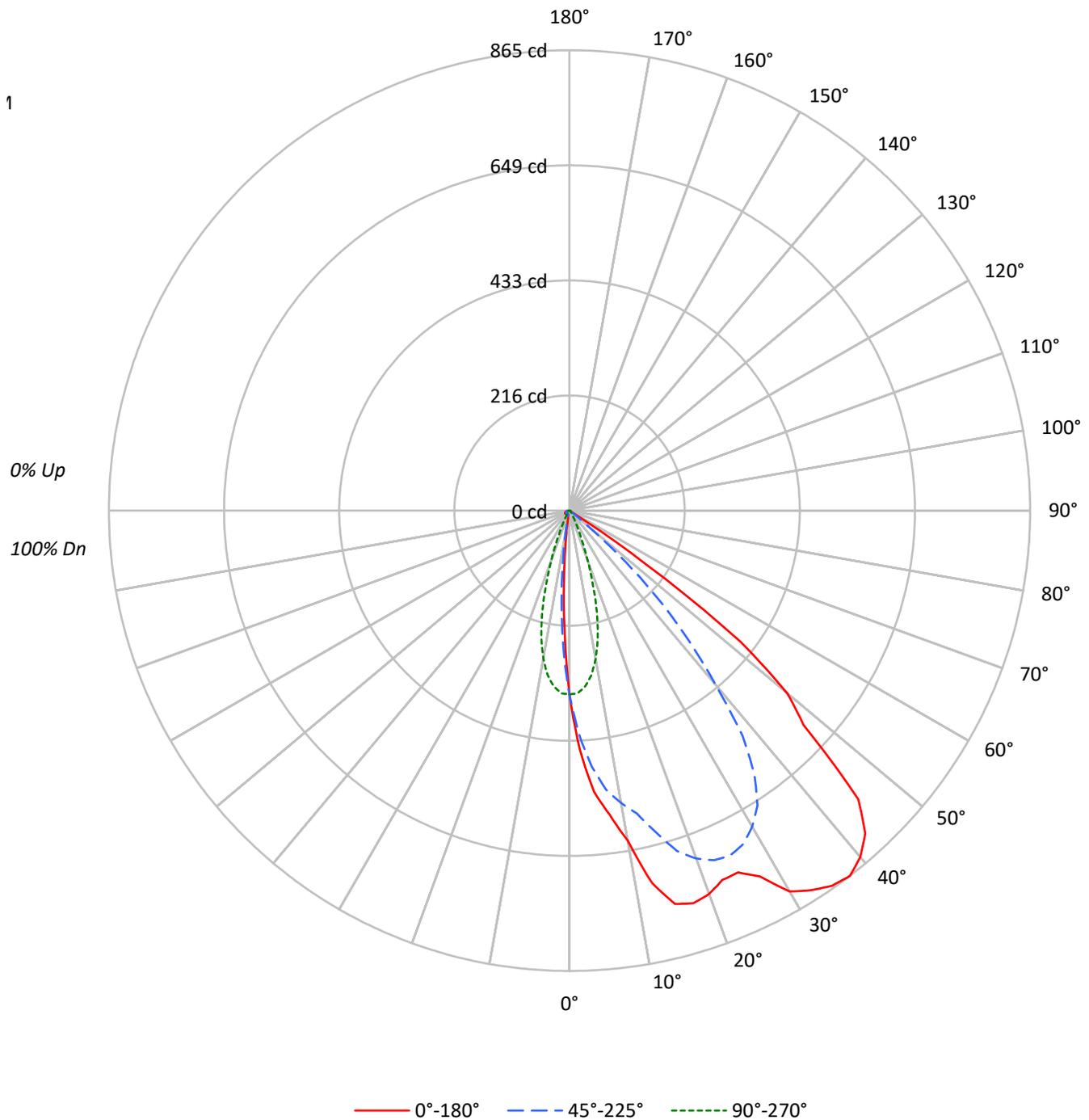
Test Method: LM-79-2019  
Report Number: P1308976  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R559030DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 576.0 lumens  
Efficiency: N/A  
Efficacy: 80.0 lumens/watt  
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22  
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	100				
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91				
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81				
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73				
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65				
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59				
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53				
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48				
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44				
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40				
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37				

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

	0°	45°	90°	135°	180°
0°	59451	59451	59451	59451	59451
5°	91696	83467	57431	29493	19380
10°	110157	97565	49438	7432	2973
15°	136398	111418	35321	2050	1605
20°	140481	127468	18254	1375	1375
25°	142520	135774	7316	1235	1425
30°	164283	136422	3182	1293	1491
35°	180832	127177	1367	1367	1682
40°	191008	95729	787	1574	1799
45°	186810	58503	731	1705	2192
50°	142914	12459	804	2009	2545
55°	52426	450	901	2252	2852
60°	517	517	1033	2583	3272
65°	611	611	1223	2649	3464
70°	504	755	1259	3021	4028
75°	333	665	1331	3327	4658
80°	496	992	1488	3471	4959
85°	0	988	1976	3952	4940

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 186810 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.4	5.3
10°-20°	87.0	15.1
20°-30°	133.5	23.2
30°-40°	155.6	27.0
40°-50°	124.3	21.6
50°-60°	36.8	6.4
60°-70°	3.9	0.7
70°-80°	3.1	0.5
80°-90°	1.3	0.2
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°	250.9	43.6
0°-40°	406.5	70.6
0°-60°	567.6	98.6
0°-90°	576.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	576.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	345	345	345	345	345	
5°	530	483	332	171	112	53
15°	765	625	198	12	9	211
25°	750	714	38	6	8	356
35°	860	605	6	6	8	536
45°	767	240	3	7	9	553
55°	175	2	3	8	10	185
65°	2	2	3	6	8	1
75°	0	1	2	5	7	1
85°	0	0	1	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°	50°
0°	345.2	345.2	345.2	345.2	345.2	345.2	345.2	345.2	345.2	345.2	345.2
2.5°	450.3	450.3	448.8	449.3	448.3	442.8	441.8	434.8	428.8	422.3	416.8
5°	530.4	531.4	529.9	526.9	522.9	518.9	510.3	503.8	495.3	482.8	471.3
7.5°	575.9	574.9	572.4	571.4	568.9	564.4	558.4	551.4	541.4	528.9	515.4
10°	629.9	621.4	618.9	614.9	606.9	597.9	587.4	577.9	569.4	557.9	543.4
12.5°	717.0	715.5	705.5	698.0	687.0	667.0	648.9	627.9	602.9	582.9	563.9
15°	765.0	766.0	761.5	755.5	748.5	732.0	714.0	689.5	659.9	624.9	593.9
17.5°	773.5	775.0	772.5	770.0	768.0	758.5	747.5	730.0	703.0	670.5	624.4
20°	766.5	769.5	770.0	773.0	777.0	773.0	764.0	752.0	729.5	695.5	651.4
22.5°	751.0	756.5	760.5	771.0	781.5	781.5	776.0	766.5	744.5	711.0	666.0
25°	750.0	751.0	752.5	769.5	786.0	789.5	784.5	774.5	750.5	714.5	665.5
27.5°	775.0	768.5	758.5	775.5	795.0	798.0	791.0	777.5	749.0	706.5	648.4
30°	826.1	811.6	790.5	803.0	816.6	813.1	799.0	777.5	739.0	686.0	616.4
32.5°	845.6	837.6	830.1	843.6	846.1	831.6	806.5	774.5	723.0	656.9	563.9
35°	860.1	860.6	857.6	860.1	848.1	827.6	800.0	758.0	693.0	604.9	494.3
37.5°	865.1	866.1	859.6	850.6	832.6	809.0	776.0	728.0	642.9	533.4	389.3
40°	849.6	846.6	836.1	823.6	804.0	780.0	744.0	672.5	568.4	425.8	303.7
42.5°	822.1	817.1	804.5	789.5	769.0	738.5	681.0	594.4	461.8	332.2	212.6
45°	767.0	763.5	748.0	737.0	712.5	673.0	598.9	489.8	357.2	240.2	123.1
47.5°	595.9	596.4	608.4	613.9	605.4	573.9	486.8	372.3	260.7	143.1	41.5
50°	533.4	530.9	518.9	502.3	474.8	427.8	357.2	263.2	154.1	46.5	6.0
52.5°	404.8	404.8	398.8	390.3	361.2	315.7	241.7	145.6	54.0	8.0	1.5
55°	174.6	165.6	170.6	180.1	172.6	150.1	113.1	43.5	9.5	1.5	1.5
57.5°	2.5	6.0	9.0	14.5	19.5	23.5	12.5	4.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
62.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
67.5°	1.0	1.0	1.0	1.5	1.0	1.5	1.5	1.5	1.5	1.5	1.5
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
75°	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
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):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	345.2	345.2	345.2	345.2	345.2	345.2	345.2	345.2
2.5°	408.8	400.3	386.3	343.7	299.7	259.2	230.2	219.1
5°	458.3	442.8	419.3	332.2	244.7	170.6	128.6	112.1
7.5°	497.3	477.3	443.3	312.2	179.6	91.1	54.5	43.0
10°	523.4	501.3	456.8	282.7	119.1	42.5	20.5	17.0
12.5°	542.4	514.8	461.8	244.7	70.0	19.5	11.0	10.0
15°	556.4	520.9	455.8	198.1	38.5	11.5	9.0	9.0
17.5°	575.9	523.9	441.3	146.1	22.0	8.5	8.5	8.5
20°	590.9	523.9	413.8	99.6	13.5	7.5	7.5	7.5
22.5°	598.4	515.9	380.3	63.0	9.5	7.0	7.5	7.5
25°	590.9	496.3	337.2	38.5	7.5	6.5	7.0	7.5
27.5°	563.4	457.3	279.7	24.5	6.0	6.5	7.0	7.5
30°	517.4	400.8	214.6	16.0	5.5	6.5	7.0	7.5
32.5°	452.3	316.7	139.1	10.5	5.0	6.5	7.0	7.5
35°	353.2	224.2	84.1	6.5	5.0	6.5	7.5	8.0
37.5°	264.7	149.6	45.5	4.0	5.0	6.5	7.5	8.0
40°	183.6	87.1	19.5	3.5	5.0	7.0	8.0	8.0
42.5°	106.6	34.5	5.0	3.0	5.0	7.0	8.0	8.5
45°	39.0	7.0	1.5	3.0	5.5	7.0	8.0	9.0
47.5°	5.5	1.5	1.5	3.0	5.5	7.0	8.5	9.0
50°	1.5	1.5	1.5	3.0	5.5	7.5	9.0	9.5
52.5°	1.5	1.5	1.5	3.0	5.5	7.5	9.0	9.5
55°	1.5	1.5	1.5	3.0	5.5	7.5	9.0	9.5
57.5°	1.5	1.5	1.5	3.0	5.5	7.5	9.0	9.5
60°	1.5	1.5	1.5	3.0	5.0	7.5	9.0	9.5
62.5°	1.5	1.5	1.5	3.0	5.0	7.0	8.5	9.0
65°	1.5	1.5	1.5	3.0	4.5	6.5	8.5	8.5
67.5°	1.5	1.5	1.5	2.5	4.5	6.5	8.0	8.5
70°	1.5	1.5	1.5	2.5	4.0	6.0	7.5	8.0
72.5°	1.5	1.5	1.5	2.0	3.5	5.5	7.0	7.5
75°	1.0	1.5	1.5	2.0	3.5	5.0	6.5	7.0
77.5°	1.0	1.5	1.5	1.5	3.0	4.0	5.5	6.0
80°	1.0	1.0	1.5	1.5	2.5	3.5	4.5	5.0
82.5°	1.0	1.0	1.0	1.5	2.0	2.5	3.5	3.5
85°	1.0	1.0	1.0	1.0	1.5	2.0	2.5	2.5
87.5°	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)