

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: P1325448

Luminaire Tested: LDSQA3D05R60W2N902750DE010 3LSQCA30R 1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

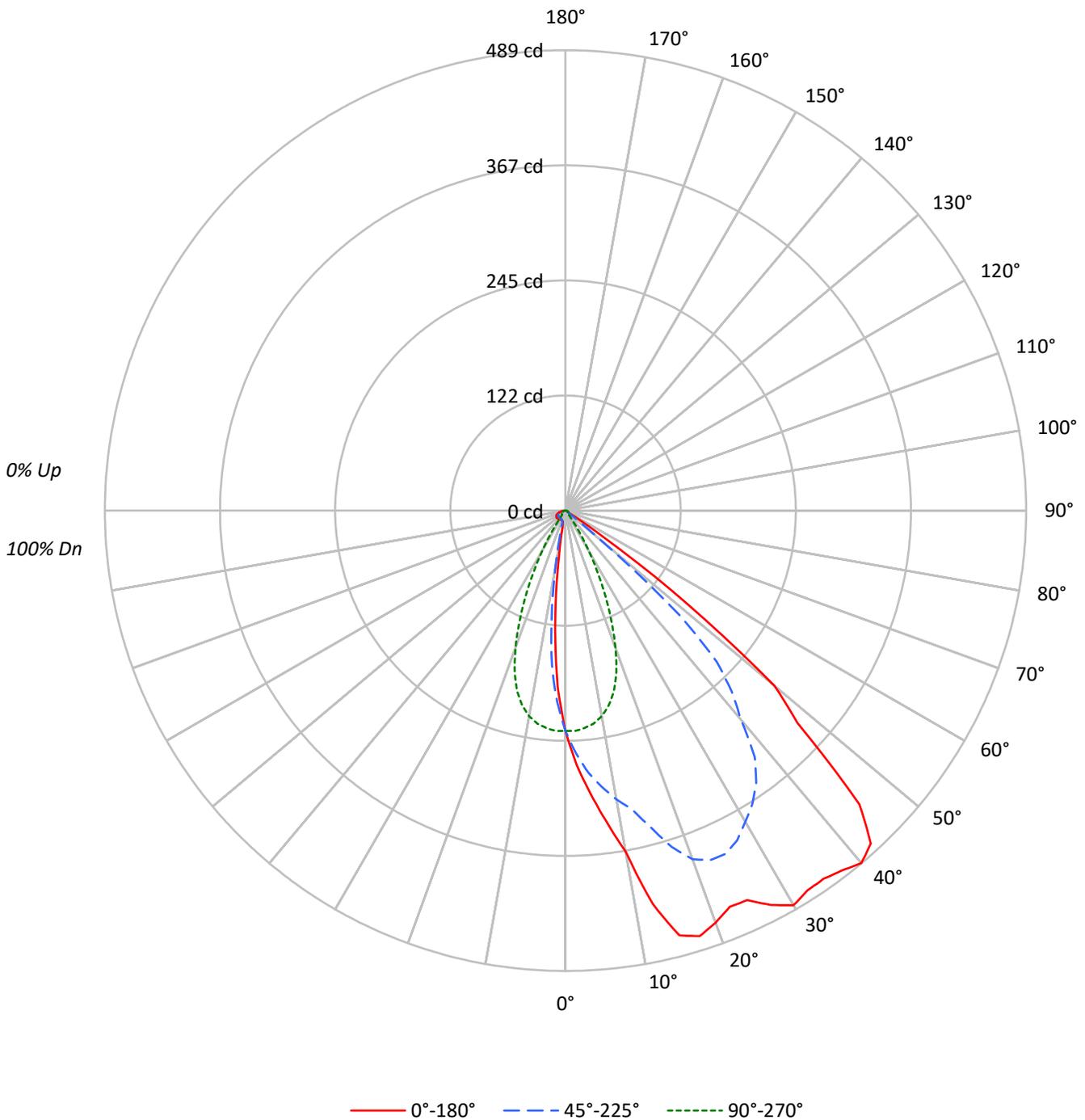
Test Method: LM-79-2019  
Report Number: P1325448  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R60W2N902750DE010 3LSQCA30R 1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 2700K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 380.0 lumens  
Efficiency: N/A  
Efficacy: 64.4 lumens/watt  
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 5.9  
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	102	100	
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	90	
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	81	
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	72	
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	58	
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	52	
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	47	
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	43	
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	50	39	
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	36	

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

	0°	45°	90°	135°	180°
0°	40283	40283	40283	40283	40283
5°	52037	48320	40074	28525	21766
10°	64303	54457	38771	10790	3200
15°	83283	61976	35374	2371	2104
20°	85351	72192	28463	1979	2034
25°	86728	76429	19098	1900	2052
30°	96251	75907	9844	1929	2148
35°	100392	74216	2712	2039	2334
40°	109847	65086	1281	2181	2585
45°	107483	55312	1315	2363	2874
50°	77486	13638	1447	2599	3162
55°	14863	871	1501	2792	3543
60°	758	861	1481	2962	3823
65°	734	897	1467	3056	4075
70°	705	906	1460	3072	4179
75°	732	932	1464	3127	4325
80°	397	1091	1389	3174	4265
85°	790	790	1383	2766	4347

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 107483 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.3	5.4
10°-20°	56.2	14.8
20°-30°	86.4	22.7
30°-40°	101.4	26.7
40°-50°	81.3	21.4
50°-60°	25.3	6.6
60°-70°	4.8	1.3
70°-80°	3.2	0.8
80°-90°	1.1	0.3
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°	162.9	42.9
0°-40°	264.4	69.6
0°-60°	370.9	97.6
0°-90°	380.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	380.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	234	234	234	234	234	
5°	301	280	232	165	126	31
15°	467	348	198	13	12	128
25°	456	402	100	10	11	215
35°	478	353	13	10	11	302
45°	441	227	5	10	12	316
55°	50	3	5	9	12	78
65°	2	2	4	8	10	2
75°	1	1	2	5	6	1
85°	0	0	1	1	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°	233.9	233.9	233.9	233.9	233.9	233.9	233.9	233.9	233.9	233.9	233.9
2.5°	269.8	266.9	266.9	265.8	264.8	265.1	262.3	263.3	260.5	258.3	256.5
5°	301.0	297.4	297.1	295.3	293.5	292.0	288.4	286.3	282.0	279.5	274.1
7.5°	333.3	330.4	328.6	326.5	323.2	319.7	313.6	309.6	302.8	296.0	289.2
10°	367.7	365.2	361.3	358.8	349.8	344.1	335.8	330.4	320.4	311.4	301.0
12.5°	428.0	426.6	419.0	414.0	401.1	389.6	371.7	357.3	339.4	324.7	310.7
15°	467.1	465.3	461.4	456.7	448.5	435.5	419.4	399.3	374.2	347.6	324.0
17.5°	473.9	474.3	471.8	470.7	465.3	457.1	444.2	429.1	404.0	374.6	342.3
20°	465.7	468.6	467.8	470.0	471.1	467.8	459.2	444.5	422.6	393.9	357.7
22.5°	455.6	458.1	457.4	461.4	467.5	470.7	467.8	456.0	433.7	401.8	366.3
25°	456.4	458.1	452.8	455.3	463.2	471.1	471.4	461.0	437.0	402.2	365.6
27.5°	472.1	466.8	454.6	453.5	463.2	473.2	473.9	461.0	432.3	394.6	358.4
30°	484.0	480.0	466.4	464.6	473.9	480.7	477.2	457.1	421.2	381.7	348.0
32.5°	478.2	479.0	473.2	479.0	491.2	494.0	479.0	447.7	405.8	369.2	335.8
35°	477.5	480.4	483.6	492.6	500.8	494.0	470.0	430.2	389.3	353.0	316.8
37.5°	481.8	486.5	491.2	499.0	499.0	481.5	446.3	407.9	369.5	330.1	277.3
40°	488.6	491.5	492.9	492.2	482.5	456.7	419.4	381.0	344.4	289.5	251.1
42.5°	479.7	479.3	477.9	471.8	453.8	420.1	385.3	354.1	296.3	261.2	217.4
45°	441.3	441.3	437.3	427.7	411.1	383.2	352.3	306.7	270.2	227.1	161.4
47.5°	334.0	331.5	335.8	341.5	341.5	339.0	311.1	271.6	234.3	164.0	51.7
50°	289.2	285.2	279.8	280.9	280.2	283.1	265.1	235.4	173.3	50.9	3.6
52.5°	163.6	170.8	188.4	213.1	224.2	228.2	217.1	179.0	58.5	3.2	2.9
55°	49.5	50.9	57.8	71.0	96.5	123.4	125.2	58.1	3.9	2.9	2.9
57.5°	2.2	2.2	2.9	4.3	10.0	15.1	16.1	3.6	2.5	2.9	2.9
60°	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.5	2.5	2.5	2.9
62.5°	1.8	1.8	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.5	2.5
65°	1.8	1.8	1.8	1.8	1.8	1.8	2.2	2.2	2.2	2.2	2.5
67.5°	1.4	1.4	1.4	1.8	1.8	1.8	1.8	1.8	2.2	2.2	2.2
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.8	1.8	1.8	1.8
72.5°	1.1	1.1	1.1	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.8
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4	1.4	1.4	1.4
77.5°	0.7	0.7	0.7	0.7	0.7	1.1	1.1	1.1	1.1	1.1	1.1
80°	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.1
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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°	233.9	233.9	233.9	233.9	233.9	233.9	233.9	233.9
2.5°	254.0	251.1	247.9	234.3	221.0	203.1	190.9	187.3
5°	269.4	264.8	257.6	231.8	200.6	165.0	136.3	125.9
7.5°	282.3	275.2	265.1	228.2	176.2	111.9	72.1	61.0
10°	291.7	282.7	269.8	221.7	143.9	61.7	24.4	18.3
12.5°	299.6	287.7	272.3	212.0	104.8	25.1	12.6	12.6
15°	305.0	290.6	273.4	198.4	67.8	13.3	11.8	11.8
17.5°	312.5	293.8	273.4	179.4	37.0	11.5	11.5	11.5
20°	324.7	297.1	269.4	155.3	20.4	10.8	11.1	11.1
22.5°	331.1	301.7	264.4	127.4	12.9	10.4	10.8	10.8
25°	332.6	301.0	253.6	100.5	10.4	10.0	10.4	10.8
27.5°	327.6	296.0	239.3	73.2	9.3	9.7	10.4	10.8
30°	318.6	283.8	216.3	49.5	8.6	9.7	10.4	10.8
32.5°	301.7	254.4	189.4	29.8	8.3	9.7	10.4	11.1
35°	264.1	223.5	158.6	12.9	7.9	9.7	10.8	11.1
37.5°	236.8	192.7	122.7	6.5	7.9	9.7	10.8	11.5
40°	206.6	155.0	56.7	5.7	7.9	9.7	10.8	11.5
42.5°	157.5	71.8	6.8	5.7	7.5	9.7	11.1	11.5
45°	57.4	7.5	3.6	5.4	7.5	9.7	11.1	11.8
47.5°	4.3	2.9	3.2	5.4	7.5	9.7	11.1	11.8
50°	2.9	2.9	3.2	5.4	7.5	9.7	11.1	11.8
52.5°	2.9	3.2	3.2	5.0	7.2	9.7	11.1	11.8
55°	2.9	3.2	3.2	5.0	7.2	9.3	11.1	11.8
57.5°	2.9	2.9	3.2	4.7	6.8	9.0	11.1	11.5
60°	2.9	2.9	3.2	4.3	6.5	8.6	10.4	11.1
62.5°	2.9	2.9	2.9	3.9	6.1	8.3	10.0	10.8
65°	2.5	2.5	2.9	3.6	5.4	7.5	9.3	10.0
67.5°	2.2	2.5	2.5	3.2	5.0	6.8	8.6	9.3
70°	2.2	2.2	2.2	2.9	4.3	6.1	7.9	8.3
72.5°	1.8	1.8	2.2	2.5	3.9	5.4	7.2	7.5
75°	1.4	1.8	1.8	2.2	3.2	4.7	6.1	6.5
77.5°	1.4	1.4	1.4	1.8	2.9	3.9	5.0	5.4
80°	1.1	1.1	1.1	1.4	2.2	3.2	3.9	4.3
82.5°	0.7	1.1	1.1	1.1	1.8	2.2	2.9	3.2
85°	0.7	0.7	0.7	0.7	1.1	1.4	1.8	2.2
87.5°	0.4	0.4	0.7	0.7	0.7	0.7	0.7	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)