

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: P1325538

Luminaire Tested: LDSQA3D05R65W2N902750DE010 3LSQCA30R 1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

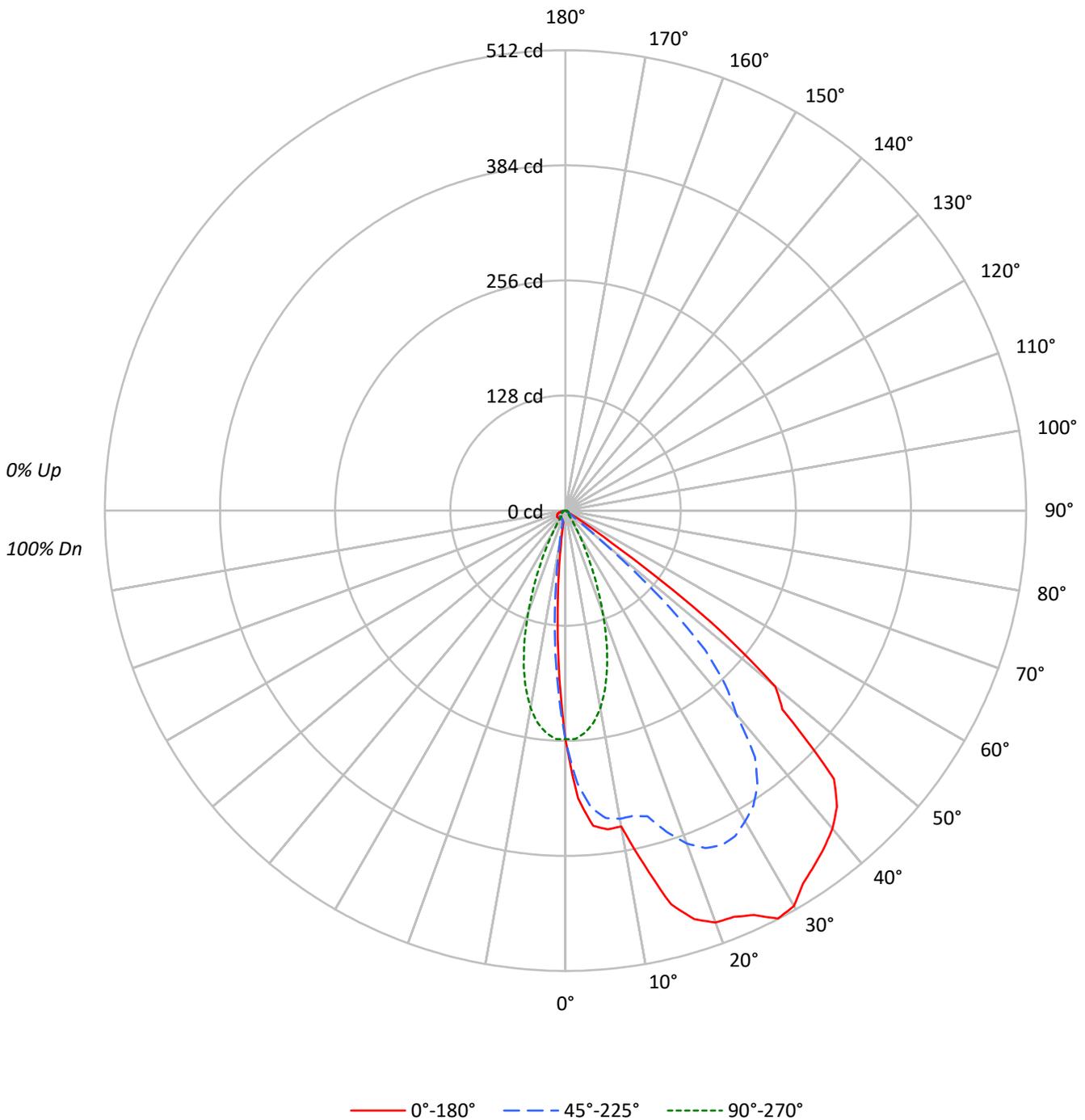
Test Method: LM-79-2019  
Report Number: P1325538  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R65W2N902750DE010 3LSQCA30R 1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 381.0 lumens  
Efficiency: N/A  
Efficacy: 64.6 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22  
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	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	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90	
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81	
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72	
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58	
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53	
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48	
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43	
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40	
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36	

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

	0°	45°	90°	135°	180°
0°	43779	43779	43779	43779	43779
5°	60854	57431	42857	23546	16562
10°	62380	60858	38981	6575	2431
15°	80822	62761	31915	2122	2050
20°	89328	72211	22213	1888	1961
25°	94272	78025	12561	1805	1957
30°	100944	79367	5668	1810	2048
35°	101317	78169	1829	1913	2250
40°	103800	66412	1237	2046	2496
45°	102807	53510	1242	2216	2704
50°	81585	12620	1286	2438	3081
55°	19367	721	1321	2732	3453
60°	689	827	1516	2859	3686
65°	815	815	1467	3056	4034
70°	604	806	1410	2971	4179
75°	532	799	1331	3194	4192
80°	397	793	1587	3174	4364
85°	790	1581	1581	3162	3952

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 10°  
 Vertical Angle: 45°  
 Luminance: 103001 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.2	5.6
10°-20°	55.9	14.7
20°-30°	87.8	23.0
30°-40°	100.4	26.3
40°-50°	80.7	21.2
50°-60°	26.3	6.9
60°-70°	4.7	1.2
70°-80°	3.1	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°	164.8	43.3
0°-40°	265.2	69.6
0°-60°	372.2	97.7
0°-90°	381.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	381.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	254	254	254	254	254	
5°	352	332	248	136	96	33
15°	453	352	179	12	12	126
25°	496	411	66	10	10	231
35°	482	372	9	9	11	303
45°	422	220	5	9	11	304
55°	64	2	4	9	12	92
65°	2	2	4	8	10	2
75°	1	1	2	5	6	1
85°	0	1	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°	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2
2.5°	319.9	318.7	320.3	317.5	317.1	314.4	312.8	312.0	308.4	303.7	299.3
5°	352.0	347.2	348.4	348.0	346.0	344.9	343.3	341.3	336.5	332.2	326.6
7.5°	357.5	353.6	354.4	354.8	353.6	353.2	352.8	352.0	348.8	344.9	340.1
10°	356.7	352.8	352.4	351.2	350.0	350.4	350.4	350.4	349.6	348.0	346.4
12.5°	402.7	397.1	395.9	387.6	380.1	367.0	358.7	350.8	347.2	347.6	346.4
15°	453.3	453.0	449.0	441.1	428.4	416.5	397.5	383.3	365.1	352.0	346.4
17.5°	476.3	475.9	472.4	465.6	456.5	445.4	431.6	414.9	394.7	374.6	357.9
20°	487.4	490.2	486.2	480.7	472.0	461.7	448.6	433.6	414.5	394.0	374.2
22.5°	489.0	492.5	489.0	485.0	478.7	472.0	460.9	445.4	426.0	406.2	386.8
25°	496.1	497.3	489.8	484.6	478.7	473.9	465.2	451.8	432.0	410.6	391.6
27.5°	511.5	506.4	490.6	483.4	477.9	473.5	465.2	451.4	430.0	408.2	388.4
30°	507.6	505.6	491.8	485.0	480.3	475.9	465.6	447.8	422.1	399.1	378.5
32.5°	491.4	495.3	490.6	488.2	485.8	480.3	465.2	441.1	412.2	388.8	361.1
35°	481.9	486.6	487.0	487.0	484.2	475.9	458.1	431.2	402.3	371.8	334.6
37.5°	472.4	476.3	478.7	480.3	476.3	464.4	441.9	417.7	386.0	346.0	280.7
40°	461.7	464.4	466.4	467.2	461.3	445.8	425.2	397.9	362.3	295.4	250.6
42.5°	446.6	448.2	447.8	447.4	441.1	424.0	404.6	376.1	305.7	263.3	209.1
45°	422.1	420.5	422.9	422.9	414.5	401.9	376.1	320.7	273.6	219.7	134.6
47.5°	327.0	328.2	339.7	358.3	369.8	366.2	331.4	280.7	230.0	144.1	44.7
50°	304.5	303.3	303.7	305.7	306.9	297.0	272.0	237.2	152.0	47.1	3.2
52.5°	204.3	205.5	214.6	235.6	242.3	235.2	211.4	158.4	55.4	3.2	2.8
55°	64.5	68.9	74.0	85.1	104.5	116.8	114.4	56.2	3.6	2.4	2.8
57.5°	2.4	2.4	3.2	5.5	10.7	17.4	18.2	3.6	2.8	2.8	2.8
60°	2.0	2.0	2.0	2.0	2.0	2.0	2.4	2.4	2.4	2.4	2.4
62.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.4	2.4	2.4	2.4
65°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.4
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0
70°	1.2	1.2	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6
75°	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2
80°	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
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°	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2
2.5°	297.0	292.2	282.7	254.2	224.5	194.8	176.2	171.4
5°	320.3	314.8	301.3	247.9	187.7	136.2	106.9	95.8
7.5°	334.6	327.8	312.0	238.0	146.1	79.2	47.5	38.0
10°	340.9	335.0	317.1	222.9	105.7	37.6	16.6	13.9
12.5°	343.7	338.9	319.1	203.1	68.9	16.6	12.3	11.9
15°	344.9	339.7	318.3	179.0	39.2	11.9	11.5	11.5
17.5°	346.0	340.1	313.6	151.2	21.8	11.1	10.7	11.1
20°	355.6	338.5	305.3	121.2	14.3	10.3	10.3	10.7
22.5°	365.1	338.1	290.6	92.6	11.1	9.9	10.3	10.3
25°	368.2	334.2	272.0	66.1	9.5	9.5	9.9	10.3
27.5°	362.3	322.7	247.1	44.7	8.3	9.5	9.9	10.3
30°	348.4	303.3	217.0	28.5	7.9	9.1	9.9	10.3
32.5°	322.7	264.9	183.3	17.0	7.5	9.1	10.3	10.3
35°	271.2	222.1	145.3	8.7	7.5	9.1	10.3	10.7
37.5°	237.2	185.3	101.4	5.9	7.5	9.1	10.3	10.7
40°	196.8	133.8	42.4	5.5	7.5	9.1	10.3	11.1
42.5°	136.2	58.2	6.7	5.1	7.1	9.1	10.7	11.1
45°	49.1	7.5	3.2	5.1	7.1	9.1	10.7	11.1
47.5°	4.4	2.8	3.2	5.1	7.1	9.1	10.7	11.5
50°	2.8	2.8	2.8	4.8	7.1	9.1	10.7	11.5
52.5°	2.8	2.8	2.8	4.8	6.7	9.1	11.1	11.5
55°	2.8	2.8	2.8	4.4	6.7	9.1	10.7	11.5
57.5°	2.8	2.8	3.2	4.4	6.7	8.7	10.7	11.1
60°	2.8	2.8	2.8	4.4	6.3	8.3	10.3	10.7
62.5°	2.4	2.8	2.8	4.0	5.9	7.9	9.9	10.3
65°	2.4	2.4	2.8	3.6	5.5	7.5	9.1	9.9
67.5°	2.0	2.4	2.4	3.2	4.8	6.7	8.3	9.1
70°	2.0	2.0	2.0	2.8	4.4	5.9	7.9	8.3
72.5°	1.6	2.0	2.0	2.4	3.6	5.1	6.7	7.5
75°	1.6	1.6	1.6	2.0	3.2	4.8	5.9	6.3
77.5°	1.2	1.2	1.6	1.6	2.8	3.6	5.1	5.5
80°	1.2	1.2	1.2	1.6	2.0	3.2	4.0	4.4
82.5°	0.8	0.8	0.8	1.2	1.6	2.0	2.8	3.2
85°	0.8	0.8	0.8	0.8	1.2	1.6	2.0	2.0
87.5°	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)