

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: P1325537

Luminaire Tested: LDSQA3D05R65W2N902750DE010 3LSQCA30R 1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

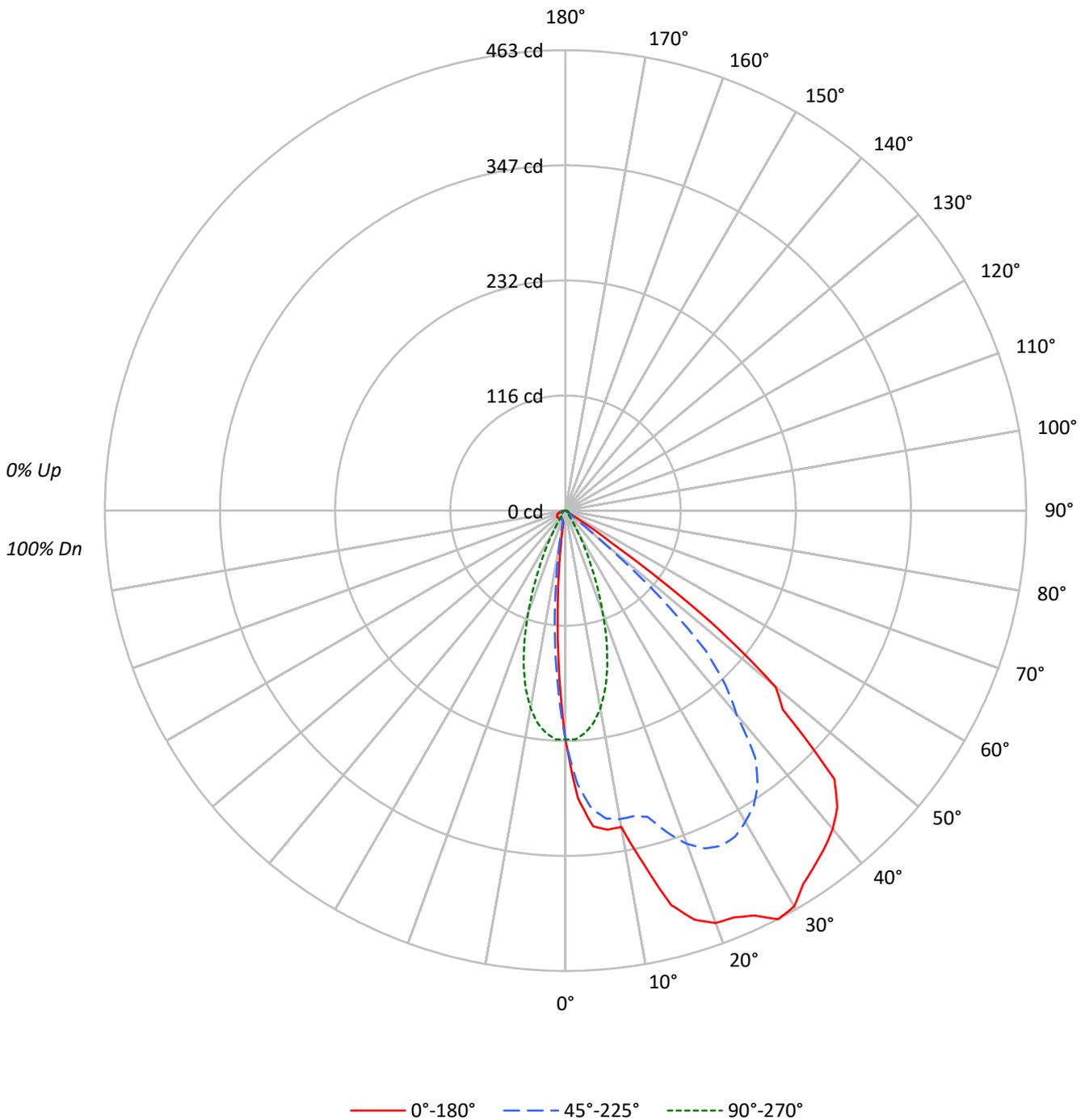
Test Method: LM-79-2019  
Report Number: P1325537  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R65W2N902750DE010 3LSQCA30R 1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 2700K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 345.0 lumens  
Efficiency: N/A  
Efficacy: 58.5 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

TEST NUMBER: P1325537  
CATALOG NUMBER: LDSQA3D05R65W2N902750DE010 3LSQCA30R 1MW\_2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P1325537

CATALOG NUMBER: LDSQA3D05R65W2N902750DE010 3LSQCA30R 1MW\_2700K

**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	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	81	
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	72	
4	91	82	75	70	89	81	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	68	61	56	66	60	55	64	59	55	63	58	54	63	53	
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	48	
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	43	
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	40	
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	36	

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

	0°	45°	90°	135°	180°
0°	39646	39646	39646	39646	39646
5°	55097	52002	38794	21316	15006
10°	56486	55105	35291	5963	2186
15°	73191	56824	28902	1926	1854
20°	80879	65374	20105	1704	1778
25°	85360	70652	11383	1634	1767
30°	91399	71870	5131	1631	1849
35°	91730	70789	1661	1724	2039
40°	93975	60140	1124	1844	2248
45°	93088	48468	1145	1997	2436
50°	73869	11441	1152	2197	2786
55°	17535	661	1171	2462	3123
60°	620	758	1343	2583	3341
65°	734	734	1304	2771	3668
70°	554	705	1259	2719	3777
75°	466	732	1198	2861	3793
80°	397	694	1389	2876	3868
85°	790	1383	1383	2766	3557

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 10°  
 Vertical Angle: 45°  
 Luminance: 93259 cd/sqm



TEST NUMBER: P1325537

CATALOG NUMBER: LDSQA3D05R65W2N902750DE010 3LSQCA30R 1MW\_2700K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.2	5.6
10°-20°	50.6	14.7
20°-30°	79.5	23.0
30°-40°	90.9	26.3
40°-50°	73.1	21.2
50°-60°	23.8	6.9
60°-70°	4.2	1.2
70°-80°	2.8	0.8
80°-90°	1.0	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°	149.3	43.3
0°-40°	240.2	69.6
0°-60°	337.0	97.7
0°-90°	345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	345.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	230	230	230	230	230	
5°	319	301	224	123	87	30
15°	410	319	162	11	10	114
25°	449	372	60	9	9	209
35°	436	337	8	8	10	274
45°	382	199	5	8	10	275
55°	58	2	4	8	10	84
65°	2	2	3	7	9	2
75°	1	1	2	4	6	1
85°	0	1	1	1	2	0
90°	0	0	0	0	0	



TEST NUMBER: P1325537

CATALOG NUMBER: LDSQA3D05R65W2N902750DE010 3LSQCA30R 1MW\_2700K

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2
2.5°	289.7	288.6	290.0	287.5	287.2	284.7	283.2	282.5	279.3	275.0	271.0
5°	318.7	314.4	315.5	315.1	313.4	312.3	310.8	309.0	304.7	300.8	295.8
7.5°	323.7	320.2	320.9	321.2	320.2	319.8	319.4	318.7	315.9	312.3	308.0
10°	323.0	319.4	319.1	318.0	316.9	317.3	317.3	317.3	316.6	315.1	313.7
12.5°	364.6	359.6	358.5	351.0	344.2	332.4	324.8	317.7	314.4	314.8	313.7
15°	410.5	410.2	406.6	399.4	387.9	377.2	360.0	347.1	330.6	318.7	313.7
17.5°	431.3	430.9	427.7	421.6	413.4	403.3	390.8	375.7	357.4	339.2	324.1
20°	441.3	443.9	440.3	435.2	427.4	418.0	406.2	392.6	375.4	356.7	338.8
22.5°	442.8	446.0	442.8	439.2	433.5	427.4	417.3	403.3	385.8	367.8	350.3
25°	449.2	450.3	443.5	438.8	433.5	429.2	421.3	409.1	391.2	371.8	354.6
27.5°	463.2	458.6	444.2	437.8	432.7	428.8	421.3	408.7	389.4	369.6	351.7
30°	459.6	457.8	445.3	439.2	434.9	430.9	421.6	405.5	382.2	361.4	342.7
32.5°	444.9	448.5	444.2	442.1	439.9	434.9	421.3	399.4	373.2	352.1	327.0
35°	436.3	440.6	441.0	441.0	438.5	430.9	414.8	390.4	364.3	336.7	303.0
37.5°	427.7	431.3	433.5	434.9	431.3	420.5	400.1	378.2	349.6	313.4	254.2
40°	418.0	420.5	422.3	423.1	417.7	403.7	385.1	360.3	328.1	267.5	226.9
42.5°	404.4	405.9	405.5	405.1	399.4	384.0	366.4	340.6	276.8	238.4	189.3
45°	382.2	380.8	382.9	382.9	375.4	363.9	340.6	290.4	247.7	199.0	121.9
47.5°	296.1	297.2	307.6	324.5	334.9	331.6	300.1	254.2	208.3	130.5	40.5
50°	275.7	274.6	275.0	276.8	277.9	268.9	246.3	214.8	137.7	42.7	2.9
52.5°	185.0	186.1	194.3	213.3	219.4	213.0	191.5	143.4	50.2	2.9	2.5
55°	58.4	62.4	67.0	77.1	94.7	105.8	103.6	50.9	3.2	2.2	2.5
57.5°	2.2	2.2	2.9	5.0	9.7	15.8	16.5	3.2	2.5	2.5	2.5
60°	1.8	1.8	1.8	1.8	1.8	1.8	2.2	2.2	2.2	2.2	2.2
62.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2	2.2	2.2	2.2
65°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.8	1.8	1.8	1.8
70°	1.1	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.8
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4	1.4	1.4
75°	0.7	0.7	0.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.1	1.1
80°	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	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	0.7	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



TEST NUMBER: P1325537

CATALOG NUMBER: LDSQA3D05R65W2N902750DE010 3LSQCA30R 1MW\_2700K

**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2
2.5°	268.9	264.6	256.0	230.2	203.3	176.4	159.5	155.2
5°	290.0	285.0	272.8	224.4	169.9	123.3	96.8	86.8
7.5°	303.0	296.9	282.5	215.5	132.3	71.7	43.0	34.4
10°	308.7	303.3	287.2	201.8	95.7	34.1	15.1	12.5
12.5°	311.2	306.9	289.0	183.9	62.4	15.1	11.1	10.8
15°	312.3	307.6	288.3	162.1	35.5	10.8	10.4	10.4
17.5°	313.4	308.0	284.0	137.0	19.7	10.0	9.7	10.0
20°	322.0	306.5	276.4	109.7	12.9	9.3	9.3	9.7
22.5°	330.6	306.2	263.2	83.9	10.0	9.0	9.3	9.3
25°	333.4	302.6	246.3	59.9	8.6	8.6	9.0	9.3
27.5°	328.1	292.2	223.7	40.5	7.5	8.6	9.0	9.3
30°	315.5	274.6	196.5	25.8	7.2	8.2	9.0	9.3
32.5°	292.2	239.9	166.0	15.4	6.8	8.2	9.3	9.3
35°	245.6	201.1	131.6	7.9	6.8	8.2	9.3	9.7
37.5°	214.8	167.8	91.8	5.4	6.8	8.2	9.3	9.7
40°	178.2	121.2	38.4	5.0	6.8	8.2	9.3	10.0
42.5°	123.3	52.7	6.1	4.7	6.5	8.2	9.7	10.0
45°	44.5	6.8	2.9	4.7	6.5	8.2	9.7	10.0
47.5°	3.9	2.5	2.9	4.7	6.5	8.2	9.7	10.4
50°	2.5	2.5	2.5	4.3	6.5	8.2	9.7	10.4
52.5°	2.5	2.5	2.5	4.3	6.1	8.2	10.0	10.4
55°	2.5	2.5	2.5	3.9	6.1	8.2	9.7	10.4
57.5°	2.5	2.5	2.9	3.9	6.1	7.9	9.7	10.0
60°	2.5	2.5	2.5	3.9	5.7	7.5	9.3	9.7
62.5°	2.2	2.5	2.5	3.6	5.4	7.2	9.0	9.3
65°	2.2	2.2	2.5	3.2	5.0	6.8	8.2	9.0
67.5°	1.8	2.2	2.2	2.9	4.3	6.1	7.5	8.2
70°	1.8	1.8	1.8	2.5	3.9	5.4	7.2	7.5
72.5°	1.4	1.8	1.8	2.2	3.2	4.7	6.1	6.8
75°	1.4	1.4	1.4	1.8	2.9	4.3	5.4	5.7
77.5°	1.1	1.1	1.4	1.4	2.5	3.2	4.7	5.0
80°	1.1	1.1	1.1	1.4	1.8	2.9	3.6	3.9
82.5°	0.7	0.7	0.7	1.1	1.4	1.8	2.5	2.9
85°	0.7	0.7	0.7	0.7	1.1	1.4	1.8	1.8
87.5°	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)