

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: P1325562

Luminaire Tested: LDSQA3D05R65W2N902765DE010 3LSQCA30R 1MW_6500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325562
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: LDSQA3D05R65W2N902765DE010 3LSQCA30R 1MW_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 6500K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

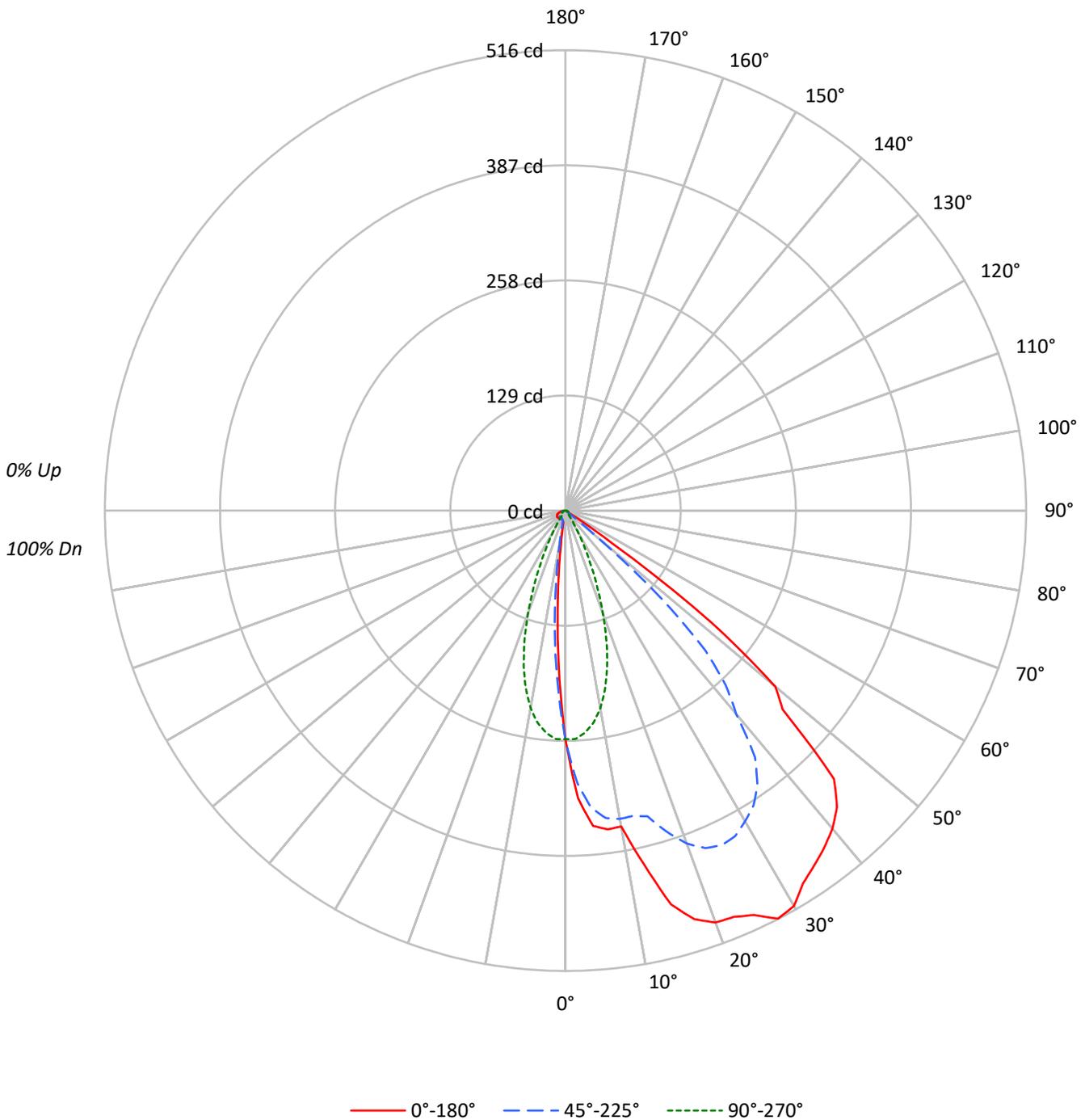
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 384.1 lumens
Efficiency: N/A
Efficacy: 65.1 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°	44123	44123	44123	44123	44123
5°	61338	57880	43186	23736	16700
10°	62869	61348	39295	6628	2448
15°	81464	63260	32165	2140	2068
20°	90025	72779	22378	1906	1979
25°	95013	78633	12656	1824	1976
30°	101740	79984	5707	1830	2068
35°	102095	78779	1850	1934	2271
40°	104609	66929	1259	2068	2518
45°	103610	53948	1267	2241	2728
50°	82228	12727	1286	2465	3108
55°	19517	721	1321	2762	3483
60°	689	827	1516	2893	3720
65°	815	815	1467	3097	4075
70°	604	806	1410	3021	4230
75°	532	799	1331	3194	4259
80°	397	793	1587	3174	4364
85°	790	1581	1581	3162	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 103805 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	5.6
10°-20°	56.3	14.7
20°-30°	88.4	23.0
30°-40°	101.2	26.3
40°-50°	81.3	21.2
50°-60°	26.5	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°	166.1	43.3
0°-40°	267.3	69.6
0°-60°	375.1	97.7
0°-90°	384.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	384.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	256	256	256	256	256	
5°	355	335	250	137	97	33
15°	457	355	180	12	12	127
25°	500	414	67	10	10	233
35°	486	375	9	9	11	305
45°	425	222	5	9	11	306
55°	65	2	4	9	12	93
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°	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2
2.5°	322.4	321.2	322.8	320.0	319.6	316.8	315.3	314.5	310.9	306.1	301.7
5°	354.8	350.0	351.2	350.8	348.8	347.6	346.0	344.0	339.2	334.8	329.2
7.5°	360.3	356.4	357.2	357.6	356.4	356.0	355.6	354.8	351.6	347.6	342.8
10°	359.5	355.6	355.2	354.0	352.8	353.2	353.2	353.2	352.4	350.8	349.2
12.5°	405.8	400.3	399.1	390.7	383.1	369.9	361.5	353.6	350.0	350.4	349.2
15°	456.9	456.5	452.5	444.5	431.8	419.8	400.7	386.3	367.9	354.8	349.2
17.5°	480.1	479.7	476.1	469.3	460.1	448.9	435.0	418.2	397.9	377.5	360.7
20°	491.2	494.0	490.0	484.5	475.7	465.3	452.1	437.0	417.8	397.1	377.1
22.5°	492.8	496.4	492.8	488.8	482.5	475.7	464.5	448.9	429.4	409.4	389.9
25°	500.0	501.2	493.6	488.4	482.5	477.7	468.9	455.3	435.4	413.8	394.7
27.5°	515.6	510.4	494.4	487.2	481.7	477.3	468.9	454.9	433.4	411.4	391.5
30°	511.6	509.6	495.6	488.8	484.1	479.7	469.3	451.3	425.4	402.2	381.5
32.5°	495.2	499.2	494.4	492.0	489.6	484.1	468.9	444.5	415.4	391.9	363.9
35°	485.6	490.4	490.8	490.8	488.0	479.7	461.7	434.6	405.4	374.7	337.2
37.5°	476.1	480.1	482.5	484.1	480.1	468.1	445.3	421.0	389.1	348.8	282.9
40°	465.3	468.1	470.1	470.9	464.9	449.3	428.6	401.0	365.1	297.7	252.6
42.5°	450.1	451.7	451.3	450.9	444.5	427.4	407.8	379.1	308.1	265.4	210.7
45°	425.4	423.8	426.2	426.2	417.8	405.0	379.1	323.2	275.7	221.5	135.7
47.5°	329.6	330.8	342.4	361.1	372.7	369.1	334.0	282.9	231.9	145.3	45.1
50°	306.9	305.7	306.1	308.1	309.3	299.3	274.2	239.0	153.2	47.5	3.2
52.5°	205.9	207.1	216.3	237.4	244.2	237.0	213.1	159.6	55.9	3.2	2.8
55°	65.0	69.4	74.6	85.8	105.4	117.7	115.3	56.7	3.6	2.4	2.8
57.5°	2.4	2.4	3.2	5.6	10.8	17.6	18.4	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°	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2
2.5°	299.3	294.5	284.9	256.2	226.3	196.3	177.6	172.8
5°	322.8	317.2	303.7	249.8	189.2	137.3	107.7	96.6
7.5°	337.2	330.4	314.5	239.8	147.3	79.8	47.9	38.3
10°	343.6	337.6	319.6	224.7	106.5	37.9	16.8	14.0
12.5°	346.4	341.6	321.6	204.7	69.4	16.8	12.4	12.0
15°	347.6	342.4	320.8	180.4	39.5	12.0	11.6	11.6
17.5°	348.8	342.8	316.1	152.4	21.9	11.2	10.8	11.2
20°	358.4	341.2	307.7	122.1	14.4	10.4	10.4	10.8
22.5°	367.9	340.8	292.9	93.4	11.2	10.0	10.4	10.4
25°	371.1	336.8	274.2	66.6	9.6	9.6	10.0	10.4
27.5°	365.1	325.2	249.0	45.1	8.4	9.6	10.0	10.4
30°	351.2	305.7	218.7	28.7	8.0	9.2	10.0	10.4
32.5°	325.2	267.0	184.8	17.2	7.6	9.2	10.4	10.4
35°	273.4	223.9	146.5	8.8	7.6	9.2	10.4	10.8
37.5°	239.0	186.8	102.2	6.0	7.6	9.2	10.4	10.8
40°	198.3	134.9	42.7	5.6	7.6	9.2	10.4	11.2
42.5°	137.3	58.7	6.8	5.2	7.2	9.2	10.8	11.2
45°	49.5	7.6	3.2	5.2	7.2	9.2	10.8	11.2
47.5°	4.4	2.8	3.2	5.2	7.2	9.2	10.8	11.6
50°	2.8	2.8	2.8	4.8	7.2	9.2	10.8	11.6
52.5°	2.8	2.8	2.8	4.8	6.8	9.2	11.2	11.6
55°	2.8	2.8	2.8	4.4	6.8	9.2	10.8	11.6
57.5°	2.8	2.8	3.2	4.4	6.8	8.8	10.8	11.2
60°	2.8	2.8	2.8	4.4	6.4	8.4	10.4	10.8
62.5°	2.4	2.8	2.8	4.0	6.0	8.0	10.0	10.4
65°	2.4	2.4	2.8	3.6	5.6	7.6	9.2	10.0
67.5°	2.0	2.4	2.4	3.2	4.8	6.8	8.4	9.2
70°	2.0	2.0	2.0	2.8	4.4	6.0	8.0	8.4
72.5°	1.6	2.0	2.0	2.4	3.6	5.2	6.8	7.6
75°	1.6	1.6	1.6	2.0	3.2	4.8	6.0	6.4
77.5°	1.2	1.2	1.6	1.6	2.8	3.6	5.2	5.6
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)