

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: P1325349

Luminaire Tested: LDSQA3D05R55W2N902750DE010 3LSQCA30R 1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325349
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: LDSQA3D05R55W2N902750DE010 3LSQCA30R 1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

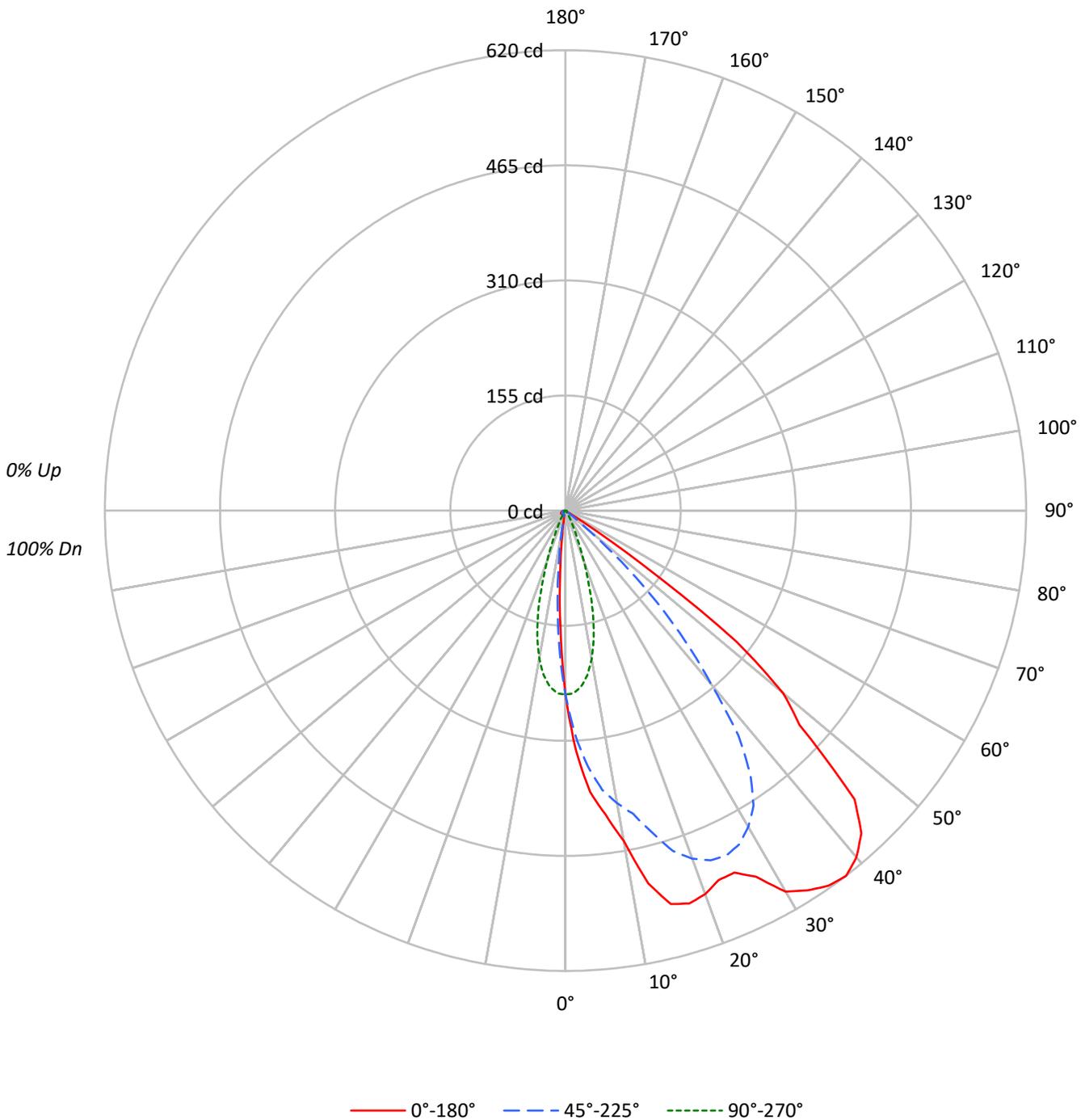
Lumens per Lamp: N/A
Luminaire Lumens: 413.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	42625	42625	42625	42625	42625
5°	65746	59851	41180	21143	13900
10°	78993	69952	35448	5334	2134
15°	97796	79895	25336	1480	1159
20°	100728	91399	13086	990	990
25°	102196	97351	5245	893	1026
30°	117788	97802	2287	935	1074
35°	129658	91183	988	988	1198
40°	136961	68638	562	1124	1281
45°	133958	41941	536	1218	1583
50°	102457	8949	589	1447	1822
55°	37593	330	661	1621	2042
60°	379	379	758	1860	2342
65°	448	448	897	1915	2486
70°	352	554	906	2165	2870
75°	266	466	932	2396	3327
80°	397	694	1091	2479	3570
85°	0	790	1383	2766	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 133958 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	5.3
10°-20°	62.4	15.1
20°-30°	95.7	23.2
30°-40°	111.6	27.0
40°-50°	89.1	21.6
50°-60°	26.4	6.4
60°-70°	2.8	0.7
70°-80°	2.2	0.5
80°-90°	0.9	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°	179.9	43.6
0°-40°	291.5	70.6
0°-60°	407.0	98.5
0°-90°	413.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	413.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	248	248	248	248	248	
5°	380	346	238	122	80	38
15°	548	448	142	8	6	151
25°	538	512	28	5	5	255
35°	617	434	5	5	6	384
45°	550	172	2	5	6	397
55°	125	1	2	5	7	133
65°	1	1	2	5	6	1
75°	0	1	1	4	5	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°	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5
2.5°	322.9	322.9	321.8	322.2	321.4	317.5	316.8	311.8	307.4	302.8	298.8
5°	380.3	381.0	379.9	377.8	374.9	372.0	365.9	361.3	355.2	346.2	337.9
7.5°	412.9	412.2	410.4	409.7	407.9	404.7	400.4	395.3	388.2	379.2	369.5
10°	451.7	445.6	443.8	440.9	435.2	428.7	421.2	414.4	408.3	400.0	389.6
12.5°	514.1	513.0	505.8	500.5	492.6	478.2	465.3	450.2	432.3	417.9	404.3
15°	548.5	549.2	546.0	541.7	536.7	524.9	511.9	494.4	473.2	448.1	425.8
17.5°	554.6	555.7	553.9	552.1	550.7	543.9	536.0	523.4	504.0	480.7	447.7
20°	549.6	551.8	552.1	554.3	557.1	554.3	547.8	539.2	523.1	498.7	467.1
22.5°	538.5	542.4	545.3	552.8	560.4	560.4	556.4	549.6	533.8	509.8	477.5
25°	537.8	538.5	539.6	551.8	563.6	566.1	562.5	555.3	538.1	512.3	477.1
27.5°	555.7	551.0	543.9	556.1	570.1	572.2	567.2	557.5	537.0	506.6	464.9
30°	592.3	581.9	566.8	575.8	585.5	583.0	572.9	557.5	529.9	491.8	442.0
32.5°	606.3	600.5	595.2	604.9	606.6	596.2	578.3	555.3	518.4	471.0	404.3
35°	616.7	617.1	614.9	616.7	608.1	593.4	573.6	543.5	496.9	433.7	354.4
37.5°	620.3	621.0	616.3	609.9	597.0	580.1	556.4	522.0	461.0	382.4	279.1
40°	609.2	607.0	599.5	590.5	576.5	559.3	533.5	482.2	407.5	305.3	217.8
42.5°	589.4	585.8	576.9	566.1	551.4	529.5	488.3	426.2	331.1	238.2	152.5
45°	550.0	547.5	536.3	528.4	510.9	482.5	429.4	351.2	256.1	172.2	88.3
47.5°	427.3	427.6	436.2	440.2	434.1	411.5	349.1	266.9	186.9	102.6	29.8
50°	382.4	380.6	372.0	360.2	340.5	306.7	256.1	188.7	110.5	33.4	4.3
52.5°	290.2	290.2	285.9	279.8	259.0	226.4	173.3	104.4	38.7	5.7	1.1
55°	125.2	118.7	122.3	129.2	123.8	107.6	81.1	31.2	6.8	1.1	1.1
57.5°	1.8	4.3	6.5	10.4	14.0	16.9	9.0	3.2	1.1	1.1	1.1
60°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
62.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
67.5°	0.7	0.7	0.7	1.1	0.7	1.1	1.1	1.1	1.1	1.1	1.1
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.1
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
75°	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5
2.5°	293.1	287.0	277.0	246.5	214.9	185.8	165.0	157.1
5°	328.6	317.5	300.6	238.2	175.4	122.3	92.2	80.4
7.5°	356.6	342.2	317.9	223.9	128.8	65.3	39.1	30.9
10°	375.3	359.5	327.5	202.7	85.4	30.5	14.7	12.2
12.5°	388.9	369.2	331.1	175.4	50.2	14.0	7.9	7.2
15°	398.9	373.5	326.8	142.1	27.6	8.3	6.5	6.5
17.5°	412.9	375.6	316.4	104.8	15.8	6.1	6.1	6.1
20°	423.7	375.6	296.7	71.4	9.7	5.4	5.4	5.4
22.5°	429.1	369.9	272.7	45.2	6.8	5.0	5.4	5.4
25°	423.7	355.9	241.8	27.6	5.4	4.7	5.0	5.4
27.5°	404.0	327.9	200.5	17.6	4.3	4.7	5.0	5.4
30°	370.9	287.4	153.9	11.5	3.9	4.7	5.0	5.4
32.5°	324.3	227.1	99.7	7.5	3.6	4.7	5.0	5.4
35°	253.3	160.7	60.3	4.7	3.6	4.7	5.4	5.7
37.5°	189.8	107.3	32.6	2.9	3.6	4.7	5.4	5.7
40°	131.7	62.4	14.0	2.5	3.6	5.0	5.7	5.7
42.5°	76.4	24.8	3.6	2.2	3.6	5.0	5.7	6.1
45°	28.0	5.0	1.1	2.2	3.9	5.0	5.7	6.5
47.5°	3.9	1.1	1.1	2.2	3.9	5.0	6.1	6.5
50°	1.1	1.1	1.1	2.2	3.9	5.4	6.5	6.8
52.5°	1.1	1.1	1.1	2.2	3.9	5.4	6.5	6.8
55°	1.1	1.1	1.1	2.2	3.9	5.4	6.5	6.8
57.5°	1.1	1.1	1.1	2.2	3.9	5.4	6.5	6.8
60°	1.1	1.1	1.1	2.2	3.6	5.4	6.5	6.8
62.5°	1.1	1.1	1.1	2.2	3.6	5.0	6.1	6.5
65°	1.1	1.1	1.1	2.2	3.2	4.7	6.1	6.1
67.5°	1.1	1.1	1.1	1.8	3.2	4.7	5.7	6.1
70°	1.1	1.1	1.1	1.8	2.9	4.3	5.4	5.7
72.5°	1.1	1.1	1.1	1.4	2.5	3.9	5.0	5.4
75°	0.7	1.1	1.1	1.4	2.5	3.6	4.7	5.0
77.5°	0.7	1.1	1.1	1.1	2.2	2.9	3.9	4.3
80°	0.7	0.7	1.1	1.1	1.8	2.5	3.2	3.6
82.5°	0.7	0.7	0.7	1.1	1.4	1.8	2.5	2.5
85°	0.7	0.7	0.7	0.7	1.1	1.4	1.8	1.8
87.5°	0.4	0.4	0.7	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)