

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: P1325451

Luminaire Tested: LDSQA3D05R60W2N902750DE010 3LSQCA30R 1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325451
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_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 4000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

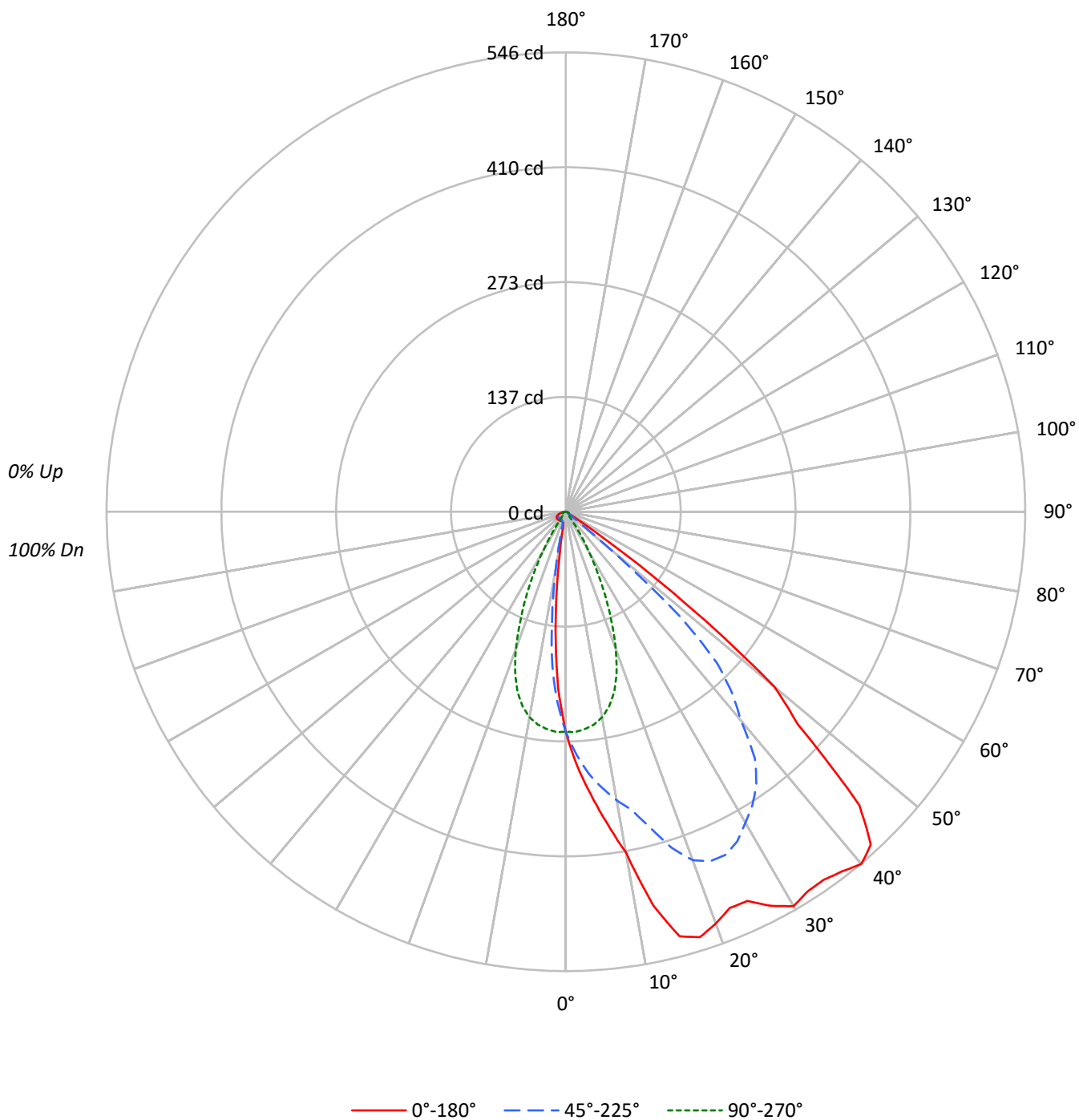
Lumens per Lamp: N/A
Luminaire Lumens: 424.9 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	45053	45053	45053	45053	45053
5°	58209	54042	44811	31914	24342
10°	71928	60911	43370	12067	3585
15°	93143	69322	39564	2639	2354
20°	95450	80751	31835	2199	2273
25°	96990	85474	21359	2128	2280
30°	107646	84896	11017	2148	2386
35°	112292	83005	3028	2271	2607
40°	122865	72797	1439	2428	2878
45°	120197	61864	1461	2630	3215
50°	86649	15272	1608	2894	3537
55°	16634	961	1681	3123	3963
60°	827	964	1653	3307	4271
65°	815	978	1630	3423	4564
70°	806	1007	1611	3424	4633
75°	799	1065	1597	3460	4791
80°	397	1190	1587	3570	4761
85°	790	790	1581	3162	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 120197 cd/sqm

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CATALOG NUMBER: LDSQA3D05R60W2N902750DE010 3LSQCA30R 1MW_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.7	5.4
10°-20°	62.8	14.8
20°-30°	96.7	22.8
30°-40°	113.4	26.7
40°-50°	90.9	21.4
50°-60°	28.2	6.6
60°-70°	5.3	1.3
70°-80°	3.5	0.8
80°-90°	1.2	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°	182.2	42.9
0°-40°	295.7	69.6
0°-60°	414.8	97.6
0°-90°	424.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	424.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	262	262	262	262	262	
5°	337	313	259	185	141	34
15°	522	389	222	15	13	143
25°	510	450	112	11	12	241
35°	534	395	14	11	12	338
45°	494	254	6	11	13	353
55°	55	3	6	10	13	88
65°	2	2	4	8	11	2
75°	1	2	2	5	7	1
85°	0	0	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°	261.6	261.6	261.6	261.6	261.6	261.6	261.6	261.6	261.6	261.6	261.6
2.5°	301.7	298.5	298.5	297.3	296.1	296.5	293.3	294.5	291.3	288.9	286.9
5°	336.7	332.6	332.2	330.2	328.2	326.6	322.6	320.2	315.4	312.6	306.6
7.5°	372.8	369.6	367.5	365.1	361.5	357.5	350.7	346.3	338.7	331.0	323.4
10°	411.3	408.5	404.1	401.3	391.2	384.8	375.6	369.6	358.3	348.3	336.7
12.5°	478.7	477.1	468.7	463.0	448.6	435.8	415.7	399.6	379.6	363.1	347.5
15°	522.4	520.4	516.0	510.8	501.6	487.1	469.1	446.6	418.5	388.8	362.3
17.5°	530.1	530.5	527.6	526.4	520.4	511.2	496.8	479.9	451.8	418.9	382.8
20°	520.8	524.0	523.2	525.6	526.8	523.2	513.6	497.2	472.7	440.6	400.0
22.5°	509.6	512.4	511.6	516.0	522.8	526.4	523.2	510.0	485.1	449.4	409.7
25°	510.4	512.4	506.4	509.2	518.0	526.8	527.2	515.6	488.7	449.8	408.9
27.5°	528.0	522.0	508.4	507.2	518.0	529.3	530.1	515.6	483.5	441.4	400.9
30°	541.3	536.9	521.6	519.6	530.1	537.7	533.7	511.2	471.1	426.9	389.2
32.5°	534.9	535.7	529.3	535.7	549.3	552.5	535.7	500.8	453.8	412.9	375.6
35°	534.1	537.3	540.9	550.9	560.1	552.5	525.6	481.1	435.4	394.8	354.3
37.5°	538.9	544.1	549.3	558.1	558.1	538.5	499.2	456.2	413.3	369.2	310.2
40°	546.5	549.7	551.3	550.5	539.7	510.8	469.1	426.1	385.2	323.8	280.9
42.5°	536.5	536.1	534.5	527.6	507.6	469.9	430.9	396.0	331.4	292.1	243.2
45°	493.5	493.5	489.1	478.3	459.8	428.5	394.0	343.1	302.1	254.0	180.6
47.5°	373.6	370.8	375.6	382.0	382.0	379.2	347.9	303.7	262.0	183.4	57.8
50°	323.4	319.0	313.0	314.2	313.4	316.6	296.5	263.2	193.8	57.0	4.0
52.5°	183.0	191.0	210.7	238.3	250.8	255.2	242.8	200.2	65.4	3.6	3.2
55°	55.4	57.0	64.6	79.4	107.9	138.0	140.0	65.0	4.4	3.2	3.2
57.5°	2.4	2.4	3.2	4.8	11.2	16.9	18.1	4.0	2.8	3.2	3.2
60°	2.4	2.4	2.4	2.4	2.4	2.4	2.8	2.8	2.8	2.8	3.2
62.5°	2.0	2.0	2.4	2.4	2.4	2.4	2.4	2.4	2.8	2.8	2.8
65°	2.0	2.0	2.0	2.0	2.0	2.0	2.4	2.4	2.4	2.4	2.8
67.5°	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.0	2.4	2.4	2.4
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0
72.5°	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6	1.6	1.6	2.0
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6	1.6
77.5°	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2
80°	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	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	0.4	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°	261.6	261.6	261.6	261.6	261.6	261.6	261.6	261.6
2.5°	284.1	280.9	277.3	262.0	247.2	227.1	213.5	209.5
5°	301.3	296.1	288.1	259.2	224.3	184.6	152.5	140.8
7.5°	315.8	307.8	296.5	255.2	197.0	125.2	80.7	68.2
10°	326.2	316.2	301.7	248.0	160.9	69.0	27.3	20.5
12.5°	335.0	321.8	304.6	237.1	117.2	28.1	14.0	14.0
15°	341.1	325.0	305.8	221.9	75.8	14.8	13.2	13.2
17.5°	349.5	328.6	305.8	200.6	41.3	12.8	12.8	12.8
20°	363.1	332.2	301.3	173.7	22.9	12.0	12.4	12.4
22.5°	370.4	337.5	295.7	142.4	14.4	11.6	12.0	12.0
25°	372.0	336.7	283.7	112.4	11.6	11.2	11.6	12.0
27.5°	366.3	331.0	267.6	81.9	10.4	10.8	11.6	12.0
30°	356.3	317.4	242.0	55.4	9.6	10.8	11.6	12.0
32.5°	337.5	284.5	211.9	33.3	9.2	10.8	11.6	12.4
35°	295.3	250.0	177.4	14.4	8.8	10.8	12.0	12.4
37.5°	264.8	215.5	137.2	7.2	8.8	10.8	12.0	12.8
40°	231.1	173.3	63.4	6.4	8.8	10.8	12.0	12.8
42.5°	176.2	80.3	7.6	6.4	8.4	10.8	12.4	12.8
45°	64.2	8.4	4.0	6.0	8.4	10.8	12.4	13.2
47.5°	4.8	3.2	3.6	6.0	8.4	10.8	12.4	13.2
50°	3.2	3.2	3.6	6.0	8.4	10.8	12.4	13.2
52.5°	3.2	3.6	3.6	5.6	8.0	10.8	12.4	13.2
55°	3.2	3.6	3.6	5.6	8.0	10.4	12.4	13.2
57.5°	3.2	3.2	3.6	5.2	7.6	10.0	12.4	12.8
60°	3.2	3.2	3.6	4.8	7.2	9.6	11.6	12.4
62.5°	3.2	3.2	3.2	4.4	6.8	9.2	11.2	12.0
65°	2.8	2.8	3.2	4.0	6.0	8.4	10.4	11.2
67.5°	2.4	2.8	2.8	3.6	5.6	7.6	9.6	10.4
70°	2.4	2.4	2.4	3.2	4.8	6.8	8.8	9.2
72.5°	2.0	2.0	2.4	2.8	4.4	6.0	8.0	8.4
75°	1.6	2.0	2.0	2.4	3.6	5.2	6.8	7.2
77.5°	1.6	1.6	1.6	2.0	3.2	4.4	5.6	6.0
80°	1.2	1.2	1.2	1.6	2.4	3.6	4.4	4.8
82.5°	0.8	1.2	1.2	1.2	2.0	2.4	3.2	3.6
85°	0.8	0.8	0.8	0.8	1.2	1.6	2.0	2.4
87.5°	0.4	0.4	0.8	0.8	0.8	0.8	0.8	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)