

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: P1325446

Luminaire Tested: LDSQA3D05R60W2N902750DE010 3LSQCA30R 1MMS_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R60W2N902750DE010 3LSQCA30R 1MMS_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 4000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

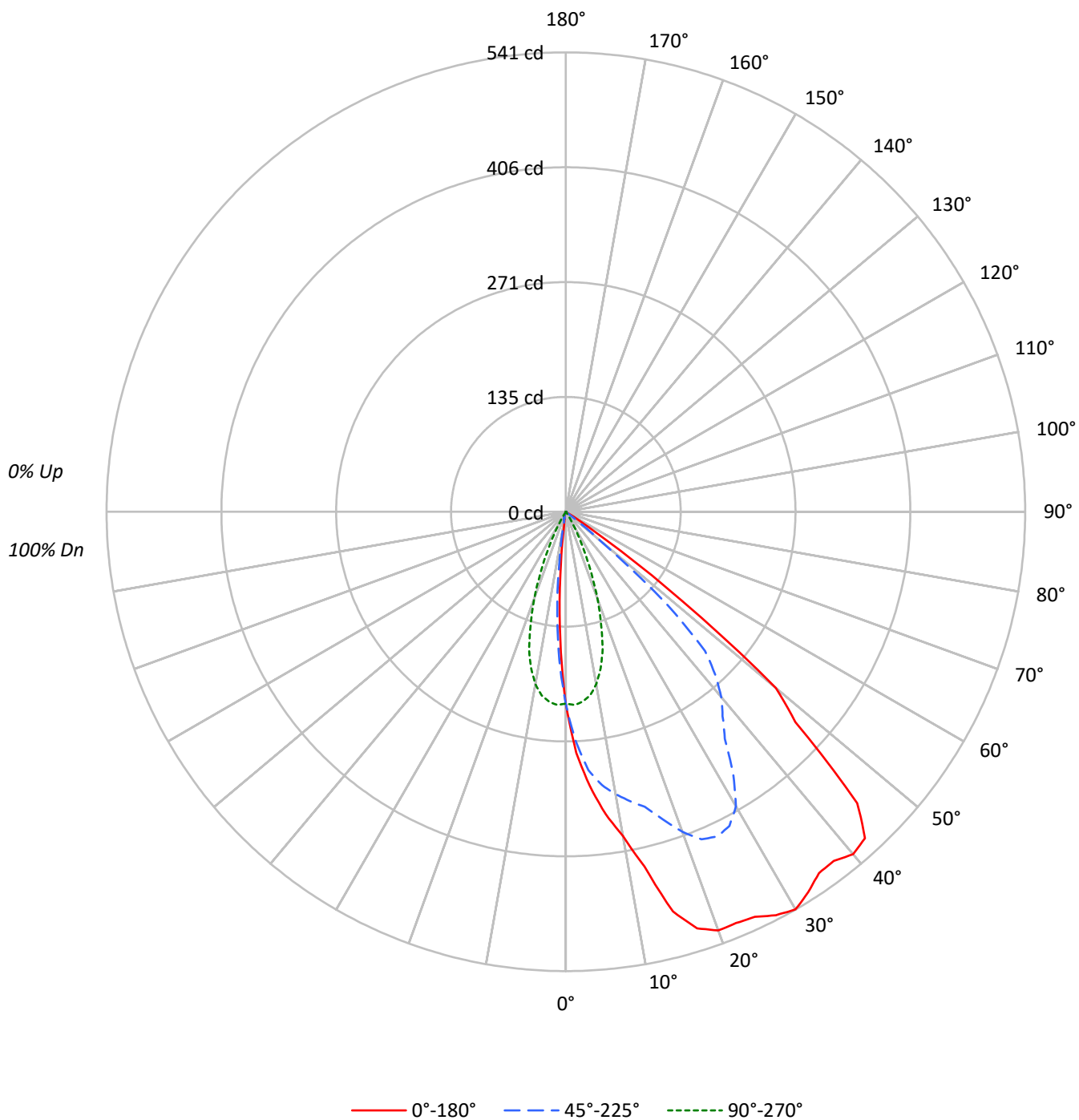
Lumens per Lamp: N/A
Luminaire Lumens: 367.0 lumens
Efficiency: N/A
Efficacy: 62.2 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	38888	38888	38888	38888	38888
5°	56048	52798	38829	20002	12845
10°	67801	59022	36043	2396	1399
15°	86902	64116	29865	1569	1284
20°	96165	73493	20032	880	147
25°	100011	80172	9843	76	0
30°	107547	79666	2724	0	0
35°	109222	68582	0	0	0
40°	118323	63961	0	0	0
45°	118224	56457	0	0	0
50°	86542	13664	0	0	0
55°	16875	0	0	0	0
60°	0	0	0	0	0
65°	0	163	163	0	0
70°	0	201	201	0	0
75°	0	266	266	0	0
80°	0	397	397	397	0
85°	0	790	790	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 118419 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.4	5.3
10°-20°	55.2	15.0
20°-30°	88.0	24.0
30°-40°	101.7	27.7
40°-50°	80.8	22.0
50°-60°	21.3	5.8
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	0.1
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°	162.6	44.3
0°-40°	264.3	72.0
0°-60°	366.4	99.8
0°-90°	367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	367.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	226	226	226	226	226	
5°	324	305	225	116	74	33
15°	487	360	168	9	7	136
25°	526	422	52	0	0	245
35°	520	326	0	0	0	330
45°	485	232	0	0	0	346
55°	56	0	0	0	0	85
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	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°	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8
2.5°	284.1	286.9	285.7	284.5	281.6	280.4	280.4	277.2	272.0	271.2	267.6
5°	324.2	325.0	325.0	324.2	322.2	319.0	318.2	315.0	310.2	305.4	300.5
7.5°	359.2	358.8	356.4	354.8	351.2	346.7	342.7	338.3	331.1	324.6	317.8
10°	387.7	388.9	386.9	382.9	378.1	372.1	365.6	358.0	347.1	337.5	328.7
12.5°	427.9	427.5	422.3	415.4	403.8	392.5	382.5	374.1	360.8	349.1	338.3
15°	487.4	486.6	481.7	475.7	458.8	442.0	424.7	401.0	378.9	359.6	344.3
17.5°	514.3	515.9	511.9	508.7	499.0	487.8	472.5	448.8	414.6	379.7	347.5
20°	524.7	526.7	523.9	523.5	519.1	513.9	501.4	475.7	442.4	401.0	361.2
22.5°	524.3	525.9	524.7	530.0	535.2	532.4	517.1	491.4	457.2	417.5	372.5
25°	526.3	525.1	520.7	528.3	536.0	533.6	525.9	503.8	466.5	421.9	376.5
27.5°	535.6	526.7	517.9	527.5	531.2	532.0	527.5	501.4	464.9	417.1	368.4
30°	540.8	531.2	523.9	532.0	532.0	536.4	527.1	497.4	451.2	400.6	347.1
32.5°	531.2	529.1	535.6	543.6	545.6	545.6	525.1	484.1	428.3	366.8	313.0
35°	519.5	524.3	542.8	546.4	546.4	537.6	512.7	460.8	394.1	326.2	287.7
37.5°	518.3	525.9	546.4	542.0	534.8	518.3	482.1	420.3	345.5	303.3	268.8
40°	526.3	533.6	545.6	529.5	512.3	486.6	443.2	367.2	316.2	284.5	245.9
42.5°	521.5	528.3	528.7	505.0	480.5	445.6	388.1	324.2	294.9	260.4	219.8
45°	485.4	486.2	484.5	459.2	433.9	397.8	336.7	302.9	271.6	231.8	161.5
47.5°	366.8	365.2	371.2	364.0	365.2	343.5	305.8	278.0	240.7	162.7	49.0
50°	323.0	321.0	315.0	308.6	302.1	291.7	274.0	244.3	173.6	51.0	1.6
52.5°	173.2	182.8	201.7	230.6	241.5	240.7	227.4	180.8	54.6	0.4	0.0
55°	56.2	55.4	61.9	73.1	100.4	115.7	120.5	61.5	1.2	0.0	0.0
57.5°	0.0	0.0	0.0	1.2	4.0	10.4	13.7	0.8	0.0	0.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8
2.5°	262.8	257.1	250.7	227.8	200.9	174.8	155.9	151.1
5°	292.9	283.3	269.6	224.6	165.9	115.7	82.8	74.3
7.5°	308.6	300.1	285.7	218.2	128.6	57.1	21.3	14.5
10°	318.2	308.2	292.1	206.1	84.0	13.7	7.6	8.0
12.5°	325.0	313.4	295.3	188.8	42.6	6.8	9.6	10.0
15°	327.9	315.4	294.9	167.5	15.3	8.8	8.4	7.2
17.5°	326.2	310.6	289.7	137.0	5.2	8.4	4.4	3.6
20°	324.2	306.6	281.2	109.3	4.4	4.8	1.6	0.8
22.5°	330.7	299.7	269.6	78.3	4.4	1.6	0.0	0.0
25°	331.5	296.9	254.7	51.8	2.0	0.4	0.0	0.0
27.5°	323.4	280.4	231.8	30.5	0.0	0.0	0.0	0.0
30°	297.7	260.0	207.3	13.7	0.0	0.0	0.0	0.0
32.5°	272.4	237.1	180.0	3.2	0.0	0.0	0.0	0.0
35°	252.3	213.3	149.9	0.0	0.0	0.0	0.0	0.0
37.5°	227.4	185.2	111.7	0.0	0.0	0.0	0.0	0.0
40°	201.3	149.5	55.8	0.0	0.0	0.0	0.0	0.0
42.5°	157.1	71.1	5.6	0.0	0.0	0.0	0.0	0.0
45°	60.3	6.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
65°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
67.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
70°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
72.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
77.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
82.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)