

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: P1325447

Luminaire Tested: LDSQA3D05R60W2N902750DE010 3LSQCA30R 1MMS_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325447
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 5000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

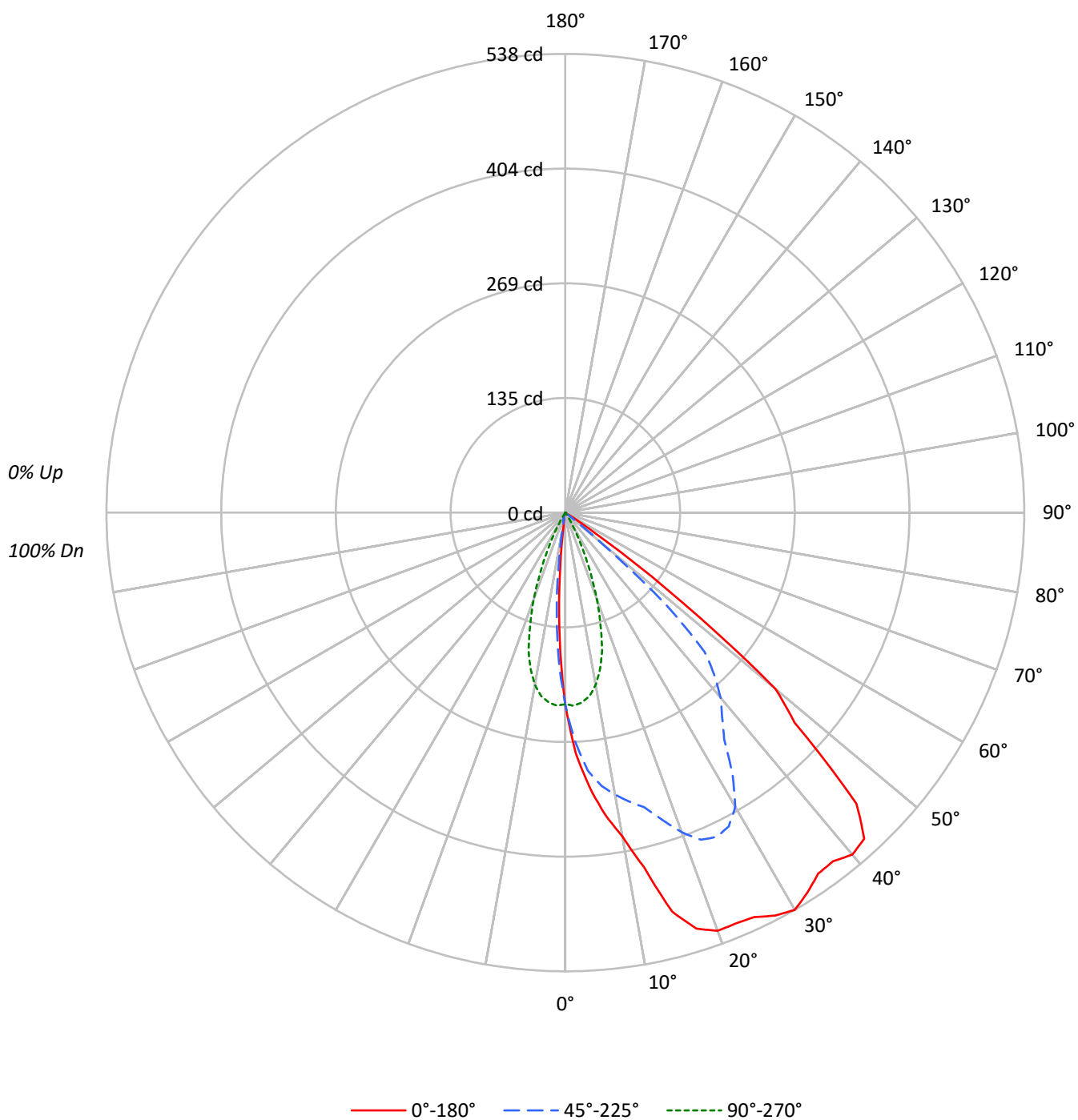
Lumens per Lamp: N/A
Luminaire Lumens: 365.0 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	38681	38681	38681	38681	38681
5°	55754	52504	38622	19899	12776
10°	67434	58707	35850	2378	1399
15°	86421	63759	29704	1569	1284
20°	95651	73090	19922	880	147
25°	99479	79735	9786	76	0
30°	106970	79228	2705	0	0
35°	108634	68225	0	0	0
40°	117694	63602	0	0	0
45°	117566	56165	0	0	0
50°	86086	13584	0	0	0
55°	16785	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: 117761 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.3	5.3
10°-20°	54.9	15.0
20°-30°	87.5	24.0
30°-40°	101.2	27.7
40°-50°	80.3	22.0
50°-60°	21.1	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°	161.7	44.3
0°-40°	262.9	72.0
0°-60°	364.4	99.8
0°-90°	365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	365.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	225	225	225	225	225	
5°	322	304	223	115	74	33
15°	485	358	167	9	7	135
25°	524	420	52	0	0	244
35°	517	324	0	0	0	328
45°	483	231	0	0	0	344
55°	56	0	0	0	0	84
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°	224.6	224.6	224.6	224.6	224.6	224.6	224.6	224.6	224.6	224.6	224.6
2.5°	282.5	285.3	284.1	282.9	280.1	278.9	278.9	275.7	270.5	269.7	266.1
5°	322.5	323.3	323.3	322.5	320.5	317.3	316.5	313.3	308.5	303.7	298.9
7.5°	357.2	356.8	354.4	352.8	349.2	344.8	340.9	336.5	329.3	322.9	316.1
10°	385.6	386.8	384.8	380.8	376.0	370.0	363.6	356.0	345.2	335.7	326.9
12.5°	425.6	425.2	420.0	413.2	401.6	390.4	380.4	372.0	358.8	347.2	336.5
15°	484.7	483.9	479.1	473.1	456.3	439.6	422.4	398.8	376.8	357.6	342.5
17.5°	511.5	513.1	509.1	505.9	496.3	485.1	469.9	446.3	412.4	377.6	345.6
20°	521.9	523.9	521.1	520.7	516.3	511.1	498.7	473.1	440.0	398.8	359.2
22.5°	521.5	523.1	521.9	527.1	532.3	529.5	514.3	488.7	454.7	415.2	370.4
25°	523.5	522.3	517.9	525.5	533.1	530.7	523.1	501.1	463.9	419.6	374.4
27.5°	532.7	523.9	515.1	524.7	528.3	529.1	524.7	498.7	462.3	414.8	366.4
30°	537.9	528.3	521.1	529.1	529.1	533.5	524.3	494.7	448.7	398.4	345.2
32.5°	528.3	526.3	532.7	540.6	542.6	542.6	522.3	481.5	426.0	364.8	311.3
35°	516.7	521.5	539.9	543.4	543.4	534.7	509.9	458.3	392.0	324.5	286.1
37.5°	515.5	523.1	543.4	539.1	531.9	515.5	479.5	418.0	343.7	301.7	267.3
40°	523.5	530.7	542.6	526.7	509.5	483.9	440.8	365.2	314.5	282.9	244.6
42.5°	518.7	525.5	525.9	502.3	477.9	443.1	386.0	322.5	293.3	258.9	218.6
45°	482.7	483.5	481.9	456.7	431.6	395.6	334.9	301.3	270.1	230.6	160.6
47.5°	364.8	363.2	369.2	362.0	363.2	341.7	304.1	276.5	239.4	161.8	48.8
50°	321.3	319.3	313.3	306.9	300.5	290.1	272.5	243.0	172.6	50.7	1.6
52.5°	172.2	181.8	200.6	229.4	240.2	239.4	226.2	179.8	54.3	0.4	0.0
55°	55.9	55.1	61.5	72.7	99.9	115.1	119.9	61.1	1.2	0.0	0.0
57.5°	0.0	0.0	0.0	1.2	4.0	10.4	13.6	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°	224.6	224.6	224.6	224.6	224.6	224.6	224.6	224.6
2.5°	261.3	255.7	249.3	226.6	199.8	173.8	155.0	150.2
5°	291.3	281.7	268.1	223.4	165.0	115.1	82.3	73.9
7.5°	306.9	298.5	284.1	217.0	127.9	56.7	21.2	14.4
10°	316.5	306.5	290.5	205.0	83.5	13.6	7.6	8.0
12.5°	323.3	311.7	293.7	187.8	42.4	6.8	9.6	10.0
15°	326.1	313.7	293.3	166.6	15.2	8.8	8.4	7.2
17.5°	324.5	308.9	288.1	136.3	5.2	8.4	4.4	3.6
20°	322.5	304.9	279.7	108.7	4.4	4.8	1.6	0.8
22.5°	328.9	298.1	268.1	77.9	4.4	1.6	0.0	0.0
25°	329.7	295.3	253.3	51.5	2.0	0.4	0.0	0.0
27.5°	321.7	278.9	230.6	30.4	0.0	0.0	0.0	0.0
30°	296.1	258.5	206.2	13.6	0.0	0.0	0.0	0.0
32.5°	270.9	235.8	179.0	3.2	0.0	0.0	0.0	0.0
35°	250.9	212.2	149.0	0.0	0.0	0.0	0.0	0.0
37.5°	226.2	184.2	111.1	0.0	0.0	0.0	0.0	0.0
40°	200.2	148.6	55.5	0.0	0.0	0.0	0.0	0.0
42.5°	156.2	70.7	5.6	0.0	0.0	0.0	0.0	0.0
45°	59.9	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)