

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: P1325443

Luminaire Tested: LDSQA3D05R60W2N902750DE010 3LSQCA30R 1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325443
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

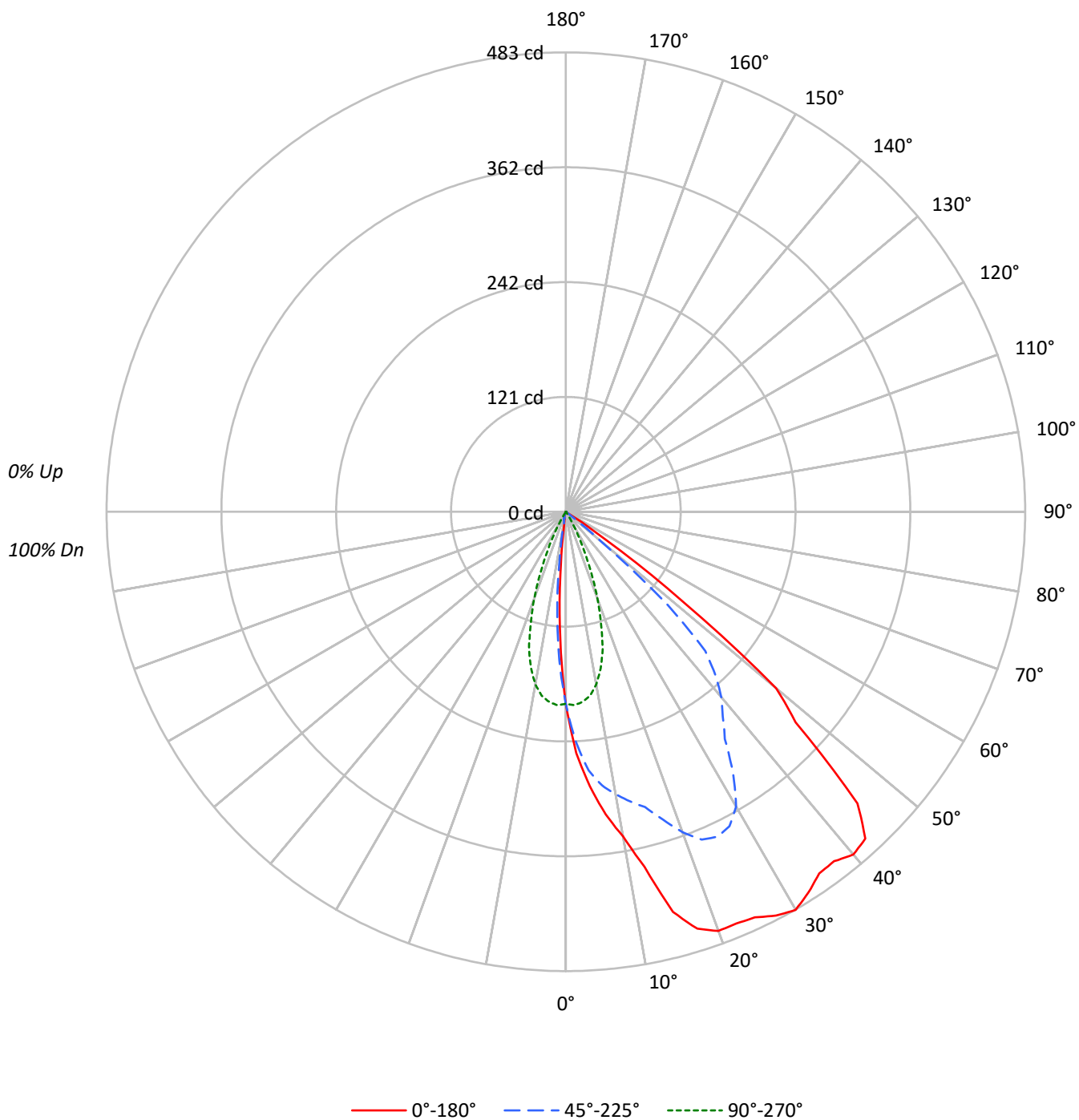
Lumens per Lamp: N/A
Luminaire Lumens: 328.1 lumens
Efficiency: N/A
Efficacy: 55.6 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	63	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°	34755	34755	34755	34755	34755
5°	50101	47179	34697	17876	11479
10°	60596	52744	32213	2134	1259
15°	77667	57305	26691	1409	1159
20°	85956	65686	17906	788	128
25°	89389	71640	8798	76	0
30°	96112	71194	2426	0	0
35°	97617	61307	0	0	0
40°	105756	57149	0	0	0
45°	105656	50466	0	0	0
50°	77352	12218	0	0	0
55°	15103	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: 105827 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.3	5.3
10°-20°	49.4	15.0
20°-30°	78.7	24.0
30°-40°	90.9	27.7
40°-50°	72.2	22.0
50°-60°	19.0	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°	145.3	44.3
0°-40°	236.2	72.0
0°-60°	327.5	99.8
0°-90°	328.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	328.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	202	202	202	202	202	
5°	290	273	201	103	66	29
15°	436	321	150	8	6	121
25°	470	377	46	0	0	219
35°	464	292	0	0	0	295
45°	434	207	0	0	0	309
55°	50	0	0	0	0	76
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°	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8
2.5°	253.9	256.4	255.3	254.2	251.7	250.6	250.6	247.8	243.1	242.4	239.2
5°	289.8	290.5	290.5	289.8	288.0	285.1	284.4	281.5	277.2	272.9	268.6
7.5°	321.0	320.7	318.5	317.1	313.8	309.9	306.3	302.4	295.9	290.1	284.0
10°	346.5	347.6	345.8	342.2	337.9	332.5	326.8	319.9	310.3	301.6	293.7
12.5°	382.4	382.1	377.4	371.3	360.9	350.8	341.9	334.3	322.5	312.0	302.4
15°	435.6	434.9	430.5	425.2	410.1	395.0	379.6	358.4	338.6	321.4	307.7
17.5°	459.6	461.1	457.5	454.6	446.0	435.9	422.3	401.1	370.6	339.3	310.6
20°	469.0	470.8	468.2	467.9	463.9	459.3	448.1	425.2	395.4	358.4	322.8
22.5°	468.6	470.0	469.0	473.6	478.3	475.8	462.1	439.2	408.6	373.1	332.9
25°	470.4	469.3	465.4	472.2	479.0	476.9	470.0	450.3	416.9	377.0	336.5
27.5°	478.7	470.8	462.9	471.5	474.7	475.4	471.5	448.1	415.5	372.7	329.3
30°	483.3	474.7	468.2	475.4	475.4	479.4	471.1	444.5	403.3	358.0	310.3
32.5°	474.7	472.9	478.7	485.8	487.6	487.6	469.3	432.7	382.8	327.8	279.7
35°	464.3	468.6	485.1	488.4	488.4	480.5	458.2	411.9	352.3	291.6	257.1
37.5°	463.2	470.0	488.4	484.4	477.9	463.2	430.9	375.6	308.8	271.1	240.2
40°	470.4	476.9	487.6	473.3	457.8	434.9	396.1	328.2	282.6	254.2	219.8
42.5°	466.1	472.2	472.6	451.4	429.5	398.2	346.9	289.8	263.6	232.7	196.4
45°	433.8	434.5	433.1	410.4	387.8	355.5	300.9	270.8	242.7	207.2	144.4
47.5°	327.8	326.4	331.8	325.3	326.4	307.0	273.3	248.5	215.1	145.4	43.8
50°	288.7	286.9	281.5	275.8	270.0	260.7	244.9	218.3	155.1	45.6	1.4
52.5°	154.8	163.4	180.3	206.1	215.8	215.1	203.2	161.6	48.8	0.4	0.0
55°	50.3	49.6	55.3	65.4	89.8	103.4	107.7	54.9	1.1	0.0	0.0
57.5°	0.0	0.0	0.0	1.1	3.6	9.3	12.2	0.7	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°	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8
2.5°	234.8	229.8	224.1	203.6	179.5	156.2	139.3	135.0
5°	261.8	253.2	240.9	200.7	148.3	103.4	74.0	66.4
7.5°	275.8	268.2	255.3	195.0	114.9	51.0	19.0	12.9
10°	284.4	275.4	261.1	184.2	75.0	12.2	6.8	7.2
12.5°	290.5	280.1	263.9	168.8	38.1	6.1	8.6	9.0
15°	293.0	281.9	263.6	149.7	13.6	7.9	7.5	6.5
17.5°	291.6	277.6	258.9	122.4	4.7	7.5	3.9	3.2
20°	289.8	274.0	251.4	97.7	3.9	4.3	1.4	0.7
22.5°	295.5	267.9	240.9	70.0	3.9	1.4	0.0	0.0
25°	296.2	265.4	227.7	46.3	1.8	0.4	0.0	0.0
27.5°	289.1	250.6	207.2	27.3	0.0	0.0	0.0	0.0
30°	266.1	232.3	185.3	12.2	0.0	0.0	0.0	0.0
32.5°	243.5	211.9	160.9	2.9	0.0	0.0	0.0	0.0
35°	225.5	190.7	133.9	0.0	0.0	0.0	0.0	0.0
37.5°	203.2	165.5	99.8	0.0	0.0	0.0	0.0	0.0
40°	179.9	133.6	49.9	0.0	0.0	0.0	0.0	0.0
42.5°	140.4	63.6	5.0	0.0	0.0	0.0	0.0	0.0
45°	53.9	5.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2.9	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)