

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: P1325444

Luminaire Tested: LDSQA3D05R60W2N902750DE010 3LSQCA30R 1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325444
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

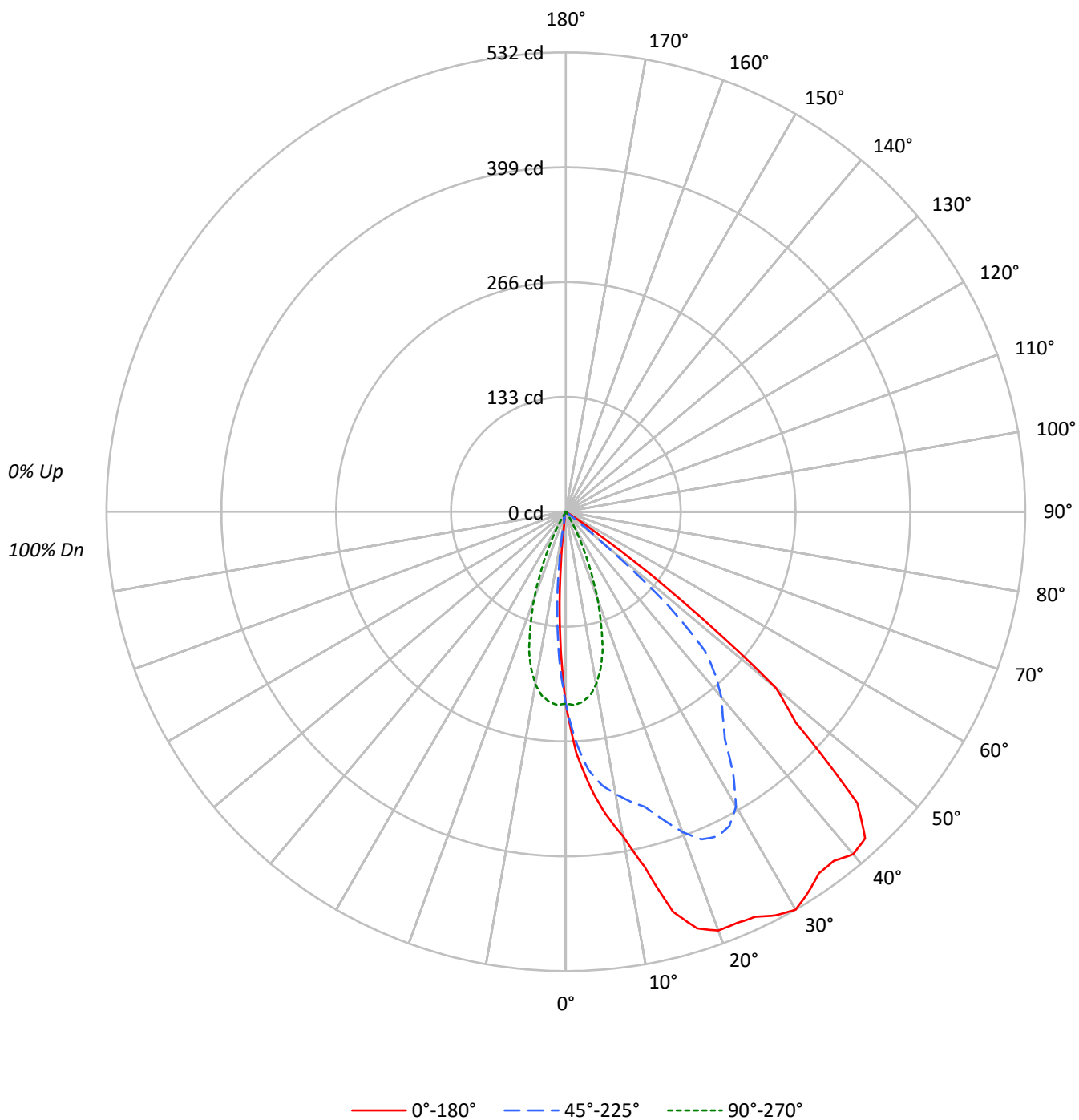
Lumens per Lamp: N/A
Luminaire Lumens: 361.0 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	38251	38251	38251	38251	38251
5°	55132	51933	38189	19674	12638
10°	66699	58060	35448	2343	1382
15°	85476	63064	29384	1551	1266
20°	94588	72284	19702	861	147
25°	98377	78861	9691	76	0
30°	105796	78353	2665	0	0
35°	107435	67468	0	0	0
40°	116390	62905	0	0	0
45°	116275	55532	0	0	0
50°	85148	13450	0	0	0
55°	16604	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: 116470 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	5.3
10°-20°	54.3	15.0
20°-30°	86.6	24.0
30°-40°	100.1	27.7
40°-50°	79.5	22.0
50°-60°	20.9	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°	160.0	44.3
0°-40°	260.0	72.0
0°-60°	360.4	99.8
0°-90°	361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	361.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	222	222	222	222	222	
5°	319	300	221	114	73	32
15°	479	354	165	9	7	134
25°	518	415	51	0	0	241
35°	511	321	0	0	0	325
45°	477	228	0	0	0	340
55°	55	0	0	0	0	83
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°	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1
2.5°	279.4	282.2	281.0	279.8	277.0	275.9	275.9	272.7	267.6	266.8	263.2
5°	318.9	319.7	319.7	318.9	317.0	313.8	313.0	309.8	305.1	300.4	295.6
7.5°	353.3	352.9	350.6	349.0	345.4	341.1	337.1	332.8	325.7	319.3	312.6
10°	381.4	382.6	380.6	376.6	371.9	366.0	359.6	352.1	341.5	332.0	323.3
12.5°	420.9	420.5	415.4	408.7	397.2	386.1	376.2	367.9	354.9	343.4	332.8
15°	479.4	478.6	473.9	467.9	451.3	434.7	417.7	394.4	372.7	353.7	338.7
17.5°	505.9	507.5	503.5	500.3	490.9	479.8	464.8	441.5	407.9	373.5	341.9
20°	516.1	518.1	515.4	515.0	510.6	505.5	493.2	467.9	435.1	394.4	355.3
22.5°	515.8	517.3	516.1	521.3	526.4	523.7	508.6	483.3	449.8	410.6	366.4
25°	517.7	516.5	512.2	519.7	527.2	524.8	517.3	495.6	458.8	415.0	370.3
27.5°	526.8	518.1	509.4	518.9	522.5	523.3	518.9	493.2	457.3	410.2	362.4
30°	532.0	522.5	515.4	523.3	523.3	527.6	518.5	489.3	443.8	394.0	341.5
32.5°	522.5	520.5	526.8	534.7	536.7	536.7	516.5	476.2	421.3	360.8	307.9
35°	511.0	515.8	533.9	537.5	537.5	528.8	504.3	453.3	387.7	320.9	283.0
37.5°	509.8	517.3	537.5	533.1	526.0	509.8	474.3	413.4	339.9	298.4	264.4
40°	517.7	524.8	536.7	520.9	503.9	478.6	435.9	361.2	311.0	279.8	241.9
42.5°	513.0	519.7	520.1	496.8	472.7	438.3	381.8	318.9	290.1	256.1	216.2
45°	477.4	478.2	476.6	451.7	426.8	391.3	331.2	298.0	267.2	228.0	158.9
47.5°	360.8	359.2	365.2	358.1	359.2	337.9	300.8	273.5	236.7	160.1	48.2
50°	317.8	315.8	309.8	303.5	297.2	286.9	269.5	240.3	170.7	50.2	1.6
52.5°	170.3	179.8	198.4	226.9	237.5	236.7	223.7	177.8	53.7	0.4	0.0
55°	55.3	54.5	60.9	71.9	98.8	113.8	118.6	60.5	1.2	0.0	0.0
57.5°	0.0	0.0	0.0	1.2	4.0	10.3	13.4	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°	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1
2.5°	258.5	252.9	246.6	224.1	197.6	171.9	153.3	148.6
5°	288.1	278.6	265.2	220.9	163.2	113.8	81.4	73.1
7.5°	303.5	295.2	281.0	214.6	126.5	56.1	20.9	14.2
10°	313.0	303.1	287.3	202.7	82.6	13.4	7.5	7.9
12.5°	319.7	308.3	290.5	185.8	41.9	6.7	9.5	9.9
15°	322.5	310.2	290.1	164.8	15.0	8.7	8.3	7.1
17.5°	320.9	305.5	284.9	134.8	5.1	8.3	4.3	3.6
20°	318.9	301.5	276.6	107.5	4.3	4.7	1.6	0.8
22.5°	325.3	294.8	265.2	77.1	4.3	1.6	0.0	0.0
25°	326.1	292.1	250.6	51.0	2.0	0.4	0.0	0.0
27.5°	318.1	275.9	228.0	30.0	0.0	0.0	0.0	0.0
30°	292.9	255.7	203.9	13.4	0.0	0.0	0.0	0.0
32.5°	268.0	233.2	177.1	3.2	0.0	0.0	0.0	0.0
35°	248.2	209.9	147.4	0.0	0.0	0.0	0.0	0.0
37.5°	223.7	182.2	109.9	0.0	0.0	0.0	0.0	0.0
40°	198.0	147.0	54.9	0.0	0.0	0.0	0.0	0.0
42.5°	154.5	70.0	5.5	0.0	0.0	0.0	0.0	0.0
45°	59.3	6.3	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)