

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: P1327050

Luminaire Tested: LDSQA3D09R60W2N902750DE010 3LSQCA30R 1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327050
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: LDSQA3D09R60W2N902750DE010 3LSQCA30R 1MMS_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

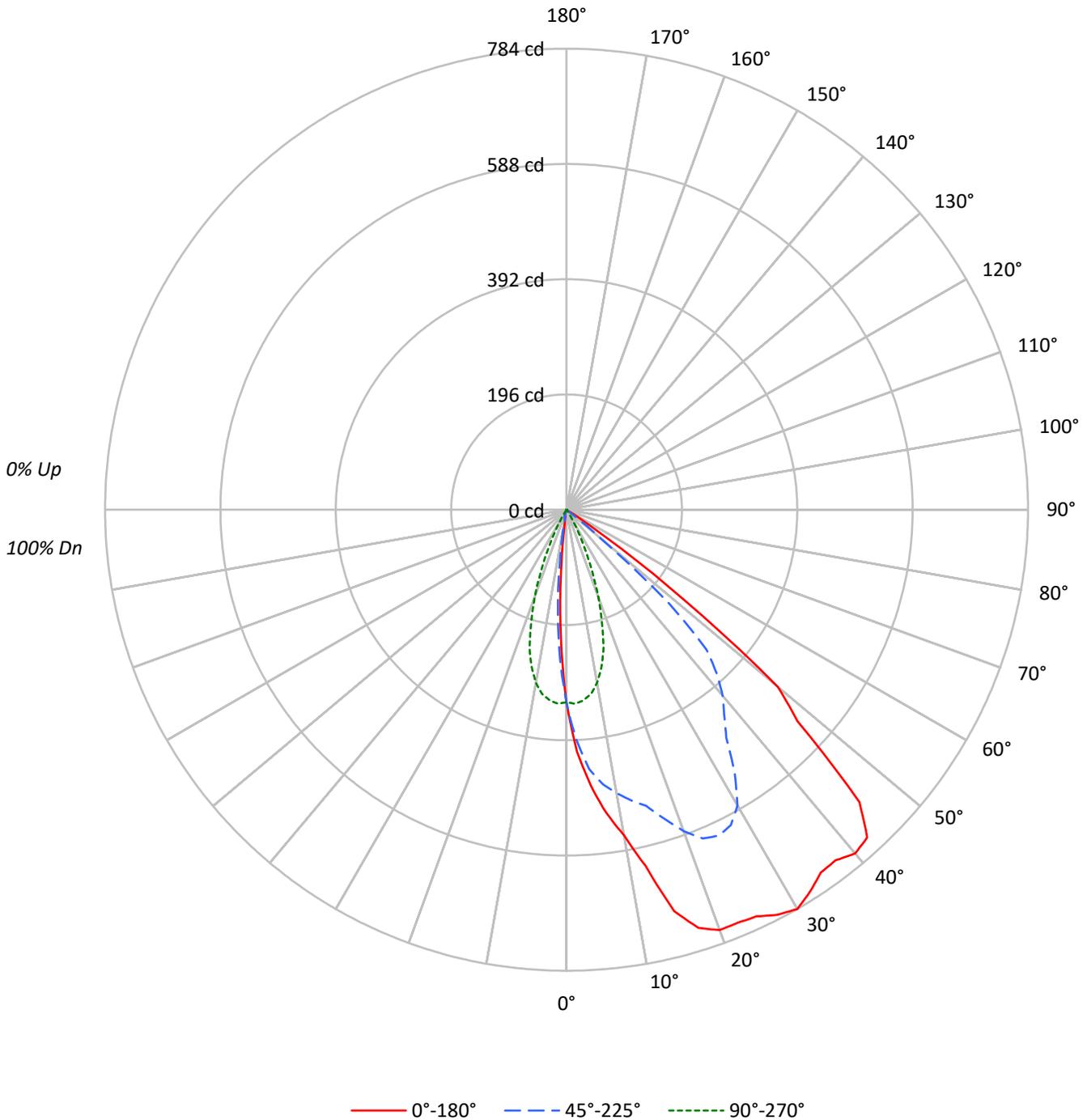
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 532.0 lumens
Efficiency: N/A
Efficacy: 59.1 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): 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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100	
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91	
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82	86	84	82	
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74	78	76	74	
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66	73	69	66	
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	60	66	62	60	
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54	60	56	54	
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49	55	51	49	
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	51	46	44	
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40	46	42	40	
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37	42	39	37	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	56368	56368	56368	56368	56368
5°	81254	76517	56290	28992	18619
10°	98282	85551	52254	3463	2029
15°	125968	92947	43309	2282	1872
20°	139399	106538	29031	1283	220
25°	144990	116201	14271	114	0
30°	155891	115481	3938	0	0
35°	158336	99425	0	0	0
40°	171538	92716	0	0	0
45°	171369	81860	0	0	0
50°	125472	19827	0	0	0
55°	24471	0	0	0	0
60°	0	0	0	0	0
65°	0	245	245	0	0
70°	0	302	302	0	0
75°	0	399	399	0	0
80°	0	595	595	595	0
85°	0	1186	1186	1186	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 171636 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.1	5.3
10°-20°	80.1	15.0
20°-30°	127.6	24.0
30°-40°	147.5	27.7
40°-50°	117.1	22.0
50°-60°	30.8	5.8
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	235.7	44.3
0°-40°	383.2	72.0
0°-60°	531.1	99.8
0°-90°	532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	532.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	327	327	327	327	327	
5°	470	443	326	168	108	47
15°	706	521	243	13	10	197
25°	763	612	75	1	0	356
35°	753	473	0	0	0	478
45°	704	336	0	0	0	501
55°	82	0	0	0	0	123
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	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°	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3
2.5°	411.8	415.8	414.1	412.4	408.3	406.5	406.5	401.9	394.3	393.1	387.9
5°	470.0	471.2	471.2	470.0	467.1	462.4	461.3	456.6	449.6	442.6	435.7
7.5°	520.7	520.1	516.6	514.3	509.0	502.6	496.8	490.4	479.9	470.6	460.7
10°	562.0	563.8	560.9	555.0	548.1	539.3	530.0	518.9	503.2	489.2	476.4
12.5°	620.3	619.7	612.1	602.2	585.3	569.0	554.5	542.2	523.0	506.1	490.4
15°	706.5	705.3	698.3	689.6	665.1	640.7	615.6	581.3	549.2	521.3	499.1
17.5°	745.5	747.8	742.0	737.3	723.4	707.1	684.9	650.6	601.1	550.4	503.8
20°	760.6	763.6	759.5	758.9	752.5	744.9	726.9	689.6	641.2	581.3	523.6
22.5°	760.1	762.4	760.6	768.2	775.8	771.7	749.6	712.3	662.8	605.1	539.9
25°	763.0	761.2	754.8	765.9	776.9	773.5	762.4	730.4	676.2	611.5	545.7
27.5°	776.4	763.6	750.7	764.7	770.0	771.1	764.7	726.9	673.9	604.6	534.1
30°	783.9	770.0	759.5	771.1	771.1	777.5	764.1	721.0	654.1	580.7	503.2
32.5°	770.0	767.0	776.4	788.0	790.9	790.9	761.2	701.8	620.9	531.8	453.7
35°	753.1	760.1	786.9	792.1	792.1	779.3	743.2	668.0	571.4	472.9	417.0
37.5°	751.3	762.4	792.1	785.7	775.2	751.3	698.9	609.2	500.9	439.7	389.6
40°	763.0	773.5	790.9	767.6	742.6	705.3	642.4	532.3	458.4	412.4	356.4
42.5°	756.0	765.9	766.5	732.1	696.6	645.9	562.6	470.0	427.5	377.4	318.6
45°	703.6	704.7	702.4	665.7	629.0	576.6	488.1	439.1	393.7	336.1	234.1
47.5°	531.8	529.4	538.2	527.7	529.4	498.0	443.2	403.0	348.9	235.9	71.1
50°	468.3	465.4	456.6	447.3	438.0	422.8	397.2	354.1	251.6	74.0	2.3
52.5°	251.0	265.0	292.4	334.3	350.0	348.9	329.7	262.1	79.2	0.6	0.0
55°	81.5	80.4	89.7	106.0	145.6	167.7	174.7	89.1	1.7	0.0	0.0
57.5°	0.0	0.0	0.0	1.7	5.8	15.1	19.8	1.2	0.0	0.6	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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°	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3
2.5°	380.9	372.7	363.4	330.2	291.2	253.4	226.0	219.0
5°	424.6	410.6	390.8	325.6	240.5	167.7	120.0	107.7
7.5°	447.3	435.1	414.1	316.3	186.4	82.7	30.9	21.0
10°	461.3	446.7	423.4	298.8	121.7	19.8	11.1	11.6
12.5°	471.2	454.3	428.1	273.7	61.7	9.9	14.0	14.6
15°	475.3	457.2	427.5	242.9	22.1	12.8	12.2	10.5
17.5°	472.9	450.2	419.9	198.6	7.6	12.2	6.4	5.2
20°	470.0	444.4	407.7	158.4	6.4	7.0	2.3	1.2
22.5°	479.3	434.5	390.8	113.6	6.4	2.3	0.0	0.0
25°	480.5	430.4	369.3	75.1	2.9	0.6	0.0	0.0
27.5°	468.8	406.5	336.1	44.3	0.0	0.0	0.0	0.0
30°	431.6	376.8	300.5	19.8	0.0	0.0	0.0	0.0
32.5°	394.9	343.6	260.9	4.7	0.0	0.0	0.0	0.0
35°	365.8	309.3	217.2	0.0	0.0	0.0	0.0	0.0
37.5°	329.7	268.5	161.9	0.0	0.0	0.0	0.0	0.0
40°	291.8	216.7	81.0	0.0	0.0	0.0	0.0	0.0
42.5°	227.7	103.1	8.2	0.0	0.0	0.0	0.0	0.0
45°	87.4	9.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4.7	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°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
65°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
67.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
70°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
72.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
75°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
77.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
82.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)