

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: P1323824

Luminaire Tested: LDSQA3D09R609030D2WDE010 3LSQCA45R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-81)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R609030D2WDE010 3LSQCA45R 1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R60 optic, 3000K CCT AND, 90CRI ,
3LSQCA45R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

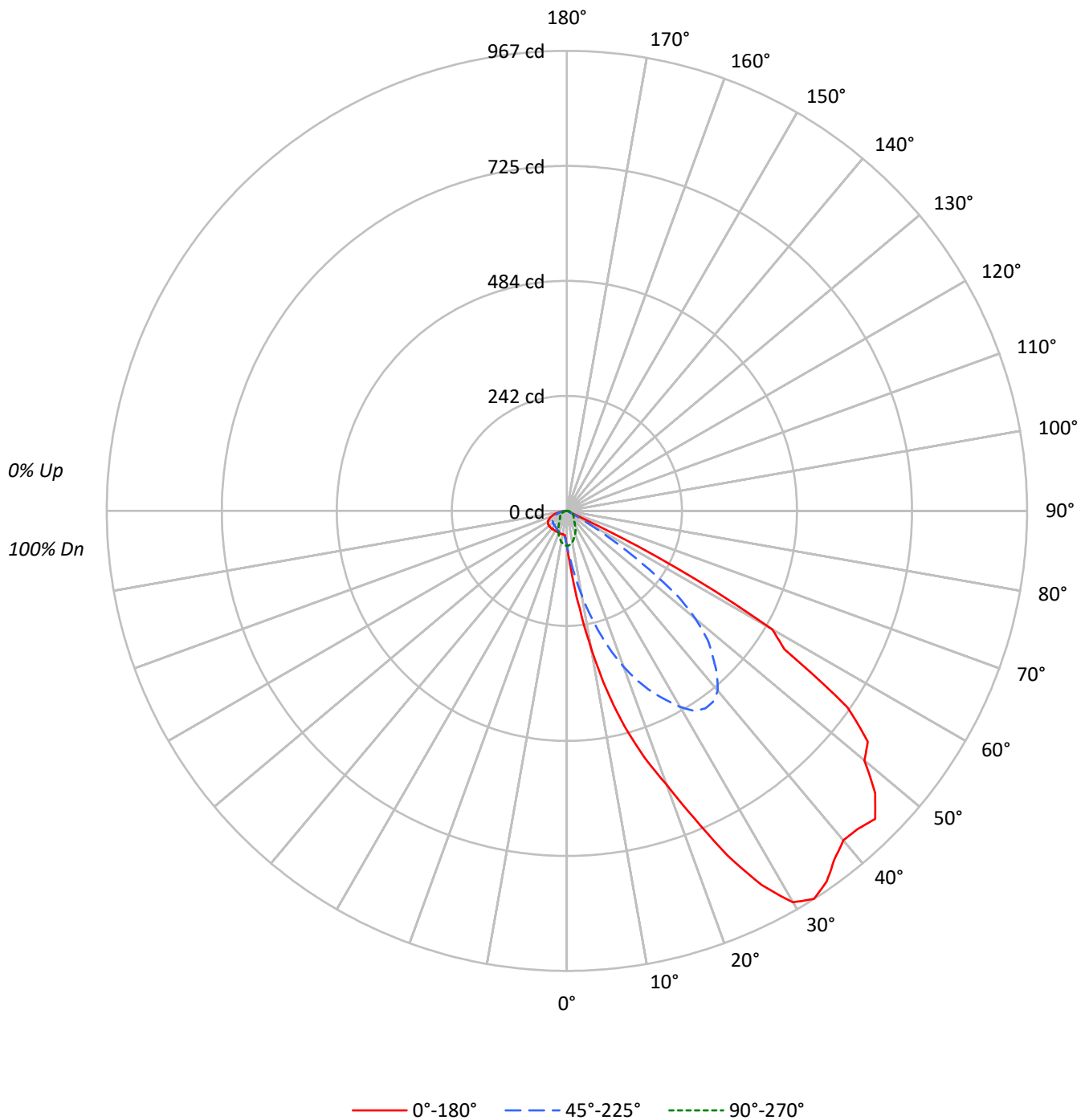
Lumens per Lamp: N/A
Luminaire Lumens: 736.0 lumens
Efficiency: N/A
Efficacy: 50.1 lumens/watt
Spacing Criteria (0/90/45): 3.38 / 0.84 / 2.07
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	79	76	74		
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62		
4	84	72	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39		
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33		
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29		
9	55	42	33	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25		
10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	22		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12555	12555	12555	12555	12555
5°	24756	19311	12378	9370	8903
10°	51135	31478	11577	8534	8657
15°	83622	47231	10377	8594	8826
20°	112201	64000	9310	8577	8944
25°	151793	79450	8133	8513	9273
30°	188922	94600	6781	8511	9705
35°	200027	106615	5761	8725	10134
40°	203215	110859	5261	9015	10971
45°	223076	105583	5042	9621	11886
50°	218685	94633	5010	10208	13075
55°	216158	58070	5014	11050	14473
60°	171465	13812	5304	11746	15672
65°	10921	2445	5175	11981	16912
70°	2367	2719	5035	12488	17876
75°	2196	2662	4458	12044	18232
80°	1984	2678	4661	11901	17257
85°	1383	2569	5335	10671	17191

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 52.5°

Luminance: 235463 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	1.2
10°-20°	45.9	6.2
20°-30°	106.4	14.5
30°-40°	165.4	22.5
40°-50°	188.5	25.6
50°-60°	158.8	21.6
60°-70°	46.1	6.3
70°-80°	11.8	1.6
80°-90°	4.0	0.5
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°	161.4	21.9
0°-40°	326.8	44.4
0°-60°	674.1	91.6
0°-90°	736.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	736.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	73	73	73	73	73	
5°	143	112	72	54	52	18
15°	469	265	58	48	50	136
25°	799	418	43	45	49	371
35°	951	507	27	42	48	591
45°	916	434	21	40	49	689
55°	720	193	17	37	48	606
65°	27	6	13	29	42	132
75°	3	4	7	18	27	4
85°	1	1	3	5	9	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
2.5°	98.3	97.7	97.7	97.0	96.3	95.7	93.7	93.0	89.0	81.0	72.9
5°	143.2	142.5	140.5	139.8	136.5	131.8	127.1	122.4	111.7	89.0	71.6
7.5°	207.4	208.7	207.4	200.0	195.4	188.0	173.9	163.9	142.5	97.0	68.9
10°	292.4	292.4	290.4	279.0	269.0	254.9	236.8	219.4	180.0	104.4	66.2
12.5°	384.7	386.7	376.7	367.3	349.2	331.8	307.1	281.0	222.8	110.4	62.9
15°	469.0	467.7	457.6	445.6	426.8	402.8	376.7	343.2	264.9	114.4	58.2
17.5°	543.9	541.2	532.6	519.2	496.4	469.7	436.2	400.1	308.4	117.7	54.9
20°	612.2	602.8	592.8	578.7	556.6	528.5	493.7	452.9	349.2	117.7	50.8
22.5°	698.5	689.1	675.1	653.6	624.2	589.4	548.6	502.4	385.4	115.1	46.8
25°	798.8	791.5	767.4	740.0	701.8	660.3	612.8	550.6	418.1	111.1	42.8
27.5°	886.5	878.4	854.4	814.2	768.1	718.5	668.4	604.8	446.9	103.7	38.1
30°	950.0	940.0	921.3	883.1	826.9	766.7	707.2	646.3	475.7	95.0	34.1
32.5°	966.8	965.4	951.4	923.3	873.1	806.9	735.9	669.7	498.4	83.6	30.8
35°	951.4	953.4	950.7	936.6	899.9	835.0	754.7	682.4	507.1	72.3	27.4
37.5°	923.3	925.9	930.6	932.6	909.2	851.7	765.4	687.8	505.1	60.9	25.4
40°	903.9	902.5	902.5	915.9	911.2	859.0	766.7	683.8	493.1	48.8	23.4
42.5°	905.9	891.2	881.1	902.5	909.2	855.7	758.0	673.0	467.0	37.5	21.4
45°	915.9	884.5	867.1	894.5	905.2	844.3	742.0	657.0	433.5	26.1	20.7
47.5°	878.4	857.7	855.0	893.8	897.8	824.9	717.2	631.6	401.4	18.1	19.4
50°	816.2	812.9	826.9	867.1	867.7	792.8	689.1	585.4	353.2	12.7	18.7
52.5°	796.8	798.8	811.5	832.3	812.9	738.6	638.3	546.6	292.4	10.0	18.1
55°	719.9	723.2	735.3	748.0	733.9	672.4	576.7	499.8	193.4	9.4	16.7
57.5°	541.9	550.6	572.7	584.1	585.4	547.9	522.5	430.9	109.1	9.4	16.1
60°	497.8	486.4	476.4	452.9	431.5	426.8	429.5	323.1	40.1	8.7	15.4
62.5°	260.3	254.9	270.3	280.3	283.0	297.7	278.3	170.6	8.7	8.7	14.0
65°	26.8	26.8	32.8	43.5	72.3	96.3	91.7	49.5	6.0	8.0	12.7
67.5°	8.0	8.0	8.0	9.4	12.0	12.0	10.0	7.4	6.0	7.4	11.4
70°	4.7	4.7	4.7	4.7	4.7	4.7	5.4	4.7	5.4	6.7	10.0
72.5°	4.0	4.0	4.0	4.0	4.7	4.7	4.7	4.7	4.7	6.0	8.7
75°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.0	4.0	4.7	6.7
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	3.3	3.3	3.3	4.0	5.4
80°	2.0	2.0	2.0	2.0	2.0	2.7	2.7	2.7	2.7	3.3	4.7
82.5°	1.3	1.3	1.3	1.3	2.0	2.0	2.0	2.0	2.0	2.7	3.3
85°	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.7
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	2.0
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):

	112.5°	135°	157.5°	180°
0°	72.9	72.9	72.9	72.9
2.5°	66.2	61.6	58.9	57.5
5°	60.2	54.2	52.2	51.5
7.5°	54.9	50.8	50.2	50.2
10°	51.5	48.8	49.5	49.5
12.5°	49.5	48.8	49.5	50.2
15°	47.5	48.2	49.5	49.5
17.5°	46.2	47.5	48.8	49.5
20°	44.2	46.8	48.8	48.8
22.5°	42.8	46.2	48.2	48.8
25°	41.5	44.8	47.5	48.8
27.5°	39.5	44.2	47.5	48.2
30°	37.5	42.8	46.8	48.8
32.5°	35.5	42.1	46.8	48.2
35°	34.1	41.5	46.8	48.2
37.5°	32.8	40.8	46.8	48.8
40°	32.1	40.1	46.2	48.8
42.5°	30.8	40.1	46.2	48.8
45°	30.1	39.5	46.2	48.8
47.5°	29.4	38.8	46.2	48.8
50°	28.1	38.1	45.5	48.8
52.5°	27.4	37.5	45.5	48.8
55°	26.1	36.8	44.8	48.2
57.5°	25.4	35.5	44.2	46.8
60°	24.1	34.1	42.8	45.5
62.5°	22.1	32.1	40.8	44.2
65°	20.1	29.4	38.8	41.5
67.5°	18.1	27.4	36.1	38.8
70°	16.1	24.8	32.8	35.5
72.5°	14.0	21.4	29.4	31.4
75°	12.0	18.1	24.8	27.4
77.5°	9.4	14.7	20.7	22.7
80°	7.4	12.0	16.1	17.4
82.5°	6.0	8.7	12.0	12.7
85°	4.0	5.4	7.4	8.7
87.5°	2.0	2.7	3.3	4.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)