

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: P1327181

Luminaire Tested: LDSQA3D09R65W2N902765DE010 3LSQCA45R 1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327181
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-82)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R65W2N902765DE010 3LSQCA45R 1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 2700K CCT AND, 90CRI ,
3LSQCA45R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

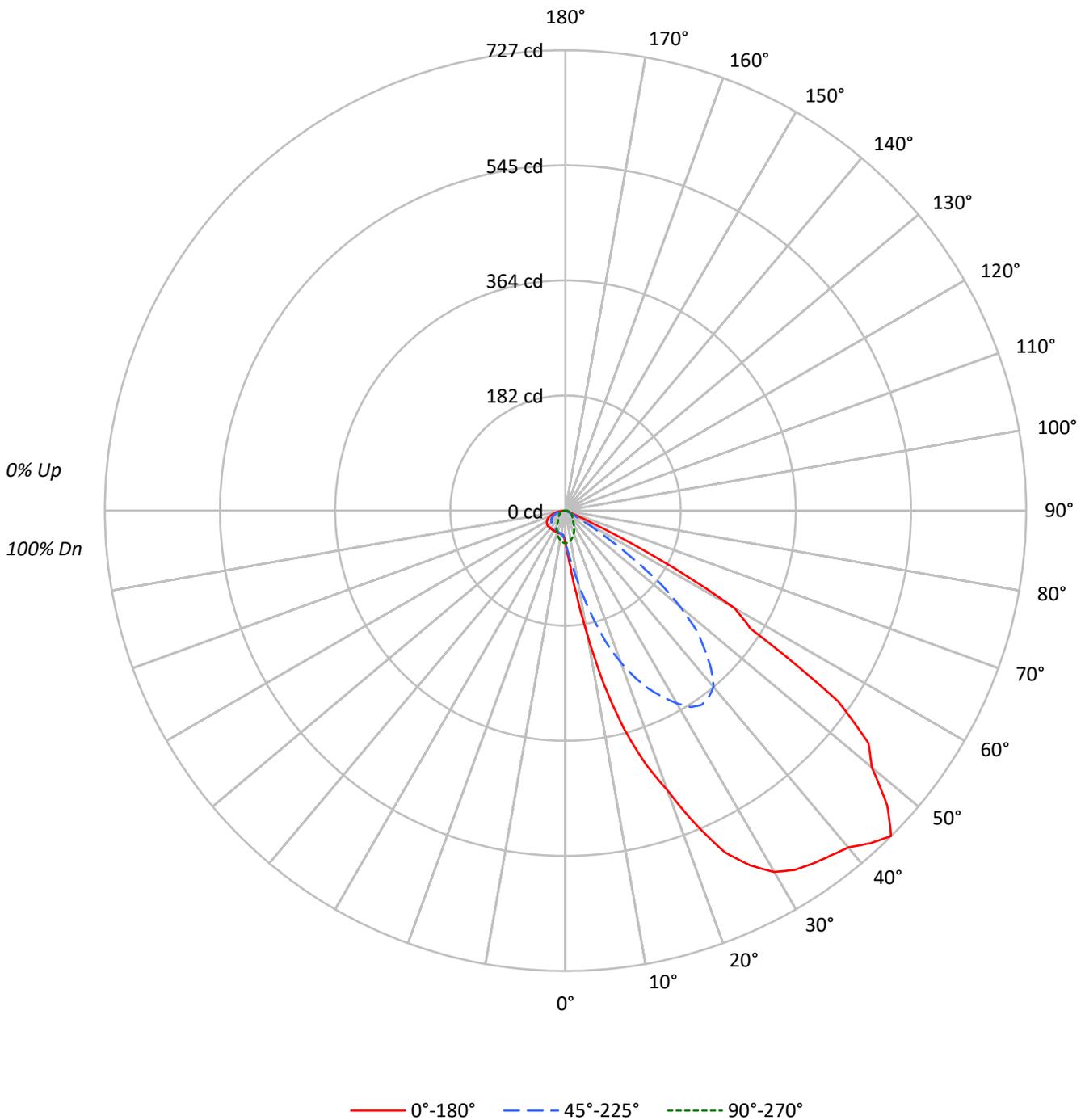
Lumens per Lamp: N/A
Luminaire Lumens: 527.0 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 3.28 / 0.89 / 2.04
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	94	91	92	90	89	89	89	87
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	76	76	74
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	65	65	62
4	84	73	64	58	82	71	63	57	69	62	57	67	61	56	64	59	55	55	55	53
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	57	49	42	69	57	48	42	55	47	42	53	46	41	51	46	41	41	41	39
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	36	36	34
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	31	31	29
9	56	42	34	28	54	41	33	28	40	33	28	39	33	28	38	32	28	28	28	26
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	24	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8835	8835	8835	8835	8835
5°	15438	12603	8679	7036	6760
10°	34923	20321	8324	6471	6558
15°	63492	32700	7720	6508	6686
20°	86103	46680	6964	6488	6781
25°	113161	58946	6119	6328	6936
30°	131033	69881	5250	6304	7259
35°	143093	78758	4436	6433	7674
40°	156093	81722	3912	6767	8206
45°	176970	75796	3726	7209	8890
50°	169038	63285	3671	7636	9779
55°	157547	35551	3813	8257	10779
60°	106124	7647	3823	8749	11642
65°	16382	1956	3668	9047	12714
70°	1863	1863	3474	9316	13545
75°	1730	1730	3194	9116	13708
80°	1587	2083	3174	8430	13588
85°	988	2174	3162	8299	12449

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 176970 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	1.2
10°-20°	33.5	6.4
20°-30°	78.7	14.9
30°-40°	118.9	22.6
40°-50°	136.7	25.9
50°-60°	108.6	20.6
60°-70°	32.5	6.2
70°-80°	8.8	1.7
80°-90°	3.0	0.6
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°	118.4	22.5
0°-40°	237.4	45.0
0°-60°	482.7	91.6
0°-90°	527.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	527.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	51	51	51	51	51	
5°	89	73	50	41	39	12
15°	356	183	43	36	38	103
25°	596	310	32	33	36	272
35°	681	375	21	31	36	427
45°	727	311	15	30	36	540
55°	525	118	13	28	36	432
65°	40	5	9	22	31	90
75°	3	3	5	14	21	3
85°	0	1	2	4	6	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	45°	67.5°	90°	112.5°	135°
0°	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
2.5°	65.0	65.5	65.0	65.0	64.5	63.9	60.2	56.0	51.3	47.6	44.9
5°	89.3	89.8	88.2	88.2	87.2	85.6	72.9	60.8	50.2	44.4	40.7
7.5°	132.1	134.2	131.6	128.4	122.6	121.5	90.9	65.5	49.1	41.2	38.0
10°	199.7	198.2	195.5	189.2	179.1	174.4	116.2	70.3	47.6	39.1	37.0
12.5°	281.6	277.4	274.2	262.6	248.9	241.0	148.0	74.5	45.4	37.0	36.5
15°	356.1	353.0	345.6	334.5	317.6	311.2	183.4	77.1	43.3	35.4	36.5
17.5°	419.0	415.9	411.6	400.5	383.1	373.6	223.0	78.7	40.7	34.3	35.9
20°	469.8	467.6	461.8	452.8	435.4	426.4	254.7	78.7	38.0	33.3	35.4
22.5°	535.3	530.5	523.1	509.9	488.2	474.5	284.8	77.1	35.4	32.2	34.3
25°	595.5	592.3	582.8	567.0	543.7	530.0	310.2	74.0	32.2	30.6	33.3
27.5°	631.4	629.3	620.3	604.0	578.1	567.5	331.3	69.2	29.1	29.1	32.8
30°	658.9	654.7	645.7	629.9	603.4	590.8	351.4	63.4	26.4	27.5	31.7
32.5°	672.7	671.1	663.1	649.4	623.5	609.3	367.8	56.0	23.2	26.4	31.2
35°	680.6	679.0	672.7	659.4	635.1	621.4	374.6	49.1	21.1	25.4	30.6
37.5°	686.9	685.3	677.4	664.2	639.9	625.6	371.5	41.7	19.0	24.3	30.1
40°	694.3	688.5	676.4	663.1	641.0	627.2	363.5	34.9	17.4	23.8	30.1
42.5°	712.3	692.2	673.2	661.0	639.9	624.0	340.8	27.5	15.9	22.7	29.6
45°	726.6	691.2	666.8	657.3	635.7	617.7	311.2	20.1	15.3	22.2	29.6
47.5°	689.0	667.4	656.3	651.0	627.7	608.2	280.6	13.7	14.8	21.7	29.1
50°	630.9	628.3	624.0	624.6	603.4	587.6	236.2	9.5	13.7	21.1	28.5
52.5°	602.9	599.7	592.3	587.1	565.9	552.2	187.1	7.4	13.2	20.6	28.0
55°	524.7	526.8	518.9	522.1	515.7	508.9	118.4	6.9	12.7	19.6	27.5
57.5°	345.6	356.1	374.6	396.8	416.9	430.6	63.9	6.9	11.6	19.0	26.4
60°	308.1	305.4	304.9	309.1	318.1	325.5	22.2	6.3	11.1	17.4	25.4
62.5°	168.6	167.5	183.4	210.3	226.2	227.7	6.3	6.3	10.0	16.4	23.8
65°	40.2	41.7	46.5	58.1	68.7	75.6	4.8	5.8	9.0	15.3	22.2
67.5°	6.3	6.9	6.9	8.5	9.5	9.5	4.2	5.3	7.9	13.7	20.6
70°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	4.8	6.9	12.2	18.5
72.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.7	4.2	5.8	10.6	15.9
75°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.7	4.8	8.5	13.7
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.6	3.2	4.2	6.9	11.1
80°	1.6	1.6	1.6	1.6	1.6	1.6	2.1	2.6	3.2	5.3	8.5
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.6	2.1	2.6	4.2	6.3
85°	0.5	0.5	0.5	0.5	1.1	1.1	1.1	1.6	1.6	2.6	4.2
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1	1.6	2.1
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):

	157.5°	180°
0°	51.3	51.3
2.5°	43.3	42.8
5°	39.1	39.1
7.5°	37.5	37.5
10°	37.0	37.5
12.5°	37.0	37.5
15°	37.0	37.5
17.5°	37.0	37.5
20°	36.5	37.0
22.5°	35.9	36.5
25°	35.4	36.5
27.5°	34.9	36.5
30°	34.9	36.5
32.5°	34.9	36.5
35°	34.3	36.5
37.5°	34.3	36.5
40°	34.3	36.5
42.5°	34.3	36.5
45°	34.3	36.5
47.5°	34.3	36.5
50°	34.3	36.5
52.5°	33.8	36.5
55°	33.8	35.9
57.5°	32.8	34.9
60°	31.7	33.8
62.5°	30.6	32.8
65°	29.1	31.2
67.5°	27.5	29.1
70°	24.8	26.9
72.5°	22.2	23.8
75°	19.0	20.6
77.5°	15.9	17.4
80°	12.7	13.7
82.5°	9.0	10.0
85°	5.8	6.3
87.5°	2.6	2.6
90°	0.0	0.0

(END OF REPORT)