

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: P1327157

Luminaire Tested: LDSQA3D09R65W2N902750DE010 3LSQCA45R 1MMS_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327157
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: LDSQA3D09R65W2N902750DE010 3LSQCA45R 1MMS_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 5000K CCT AND, 90CRI ,
3LSQCA45R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

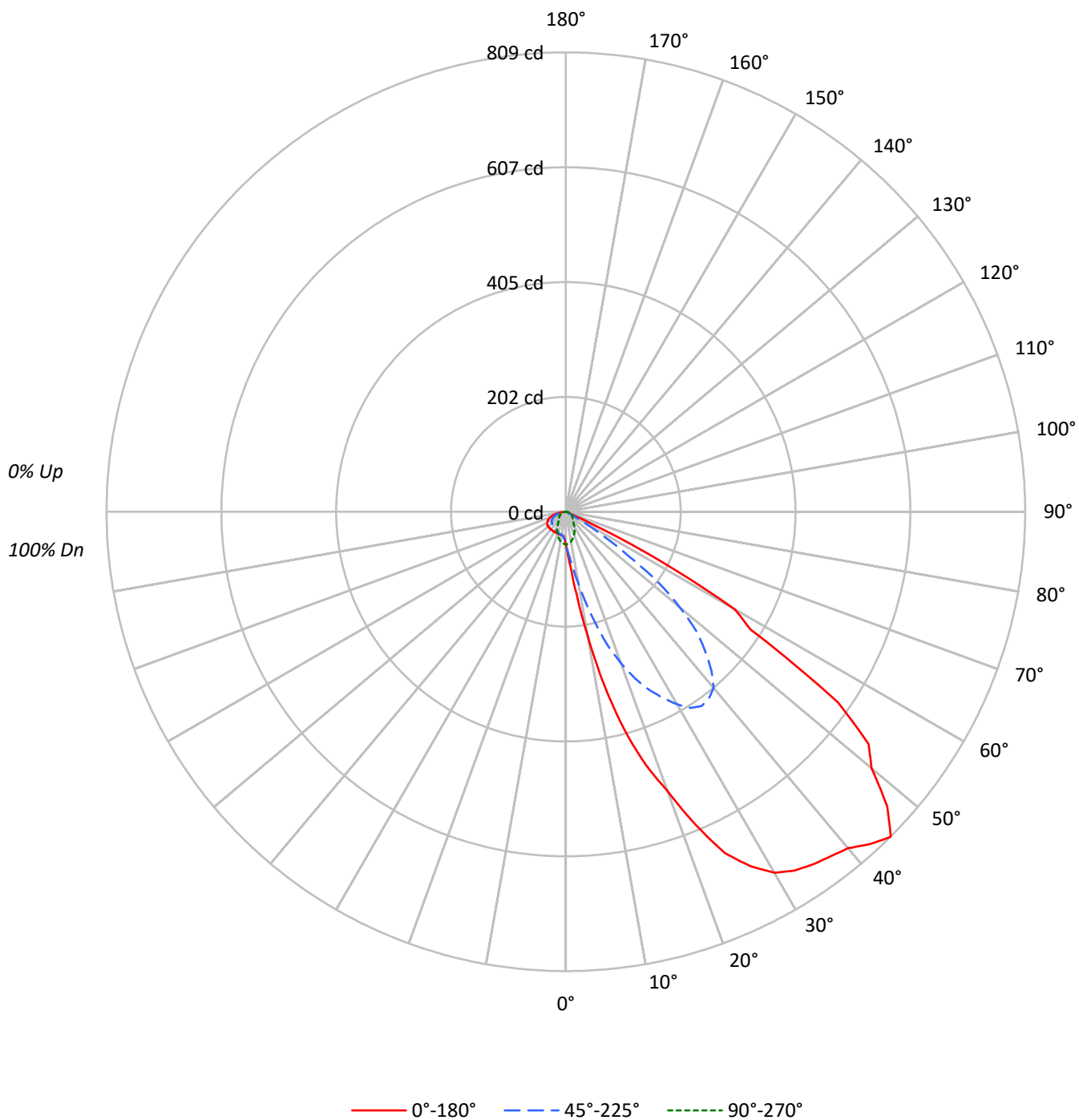
Lumens per Lamp: N/A
Luminaire Lumens: 587.0 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Spacing Criteria (0/90/45): 3.28 / 0.89 / 2.04
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9834	9834	9834	9834	9834
5°	17202	14038	9664	7831	7538
10°	38911	22647	9269	7205	7310
15°	70731	36408	8612	7239	7453
20°	95890	51995	7771	7221	7551
25°	126045	65654	6822	7050	7715
30°	145947	77836	5847	7020	8074
35°	159387	87735	4941	7169	8536
40°	173876	91030	4362	7531	9128
45°	197113	84442	4165	8037	9889
50°	188275	70493	4099	8520	10878
55°	175473	39574	4234	9188	12010
60°	118179	8508	4271	9748	12986
65°	18216	2160	4075	10066	14141
70°	2065	2065	3877	10373	15106
75°	1930	1930	3527	10181	15305
80°	1785	2380	3471	9323	15174
85°	1186	2371	3557	9287	14030

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 197113 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.9	1.2
10°-20°	37.3	6.4
20°-30°	87.7	14.9
30°-40°	132.5	22.6
40°-50°	152.3	25.9
50°-60°	120.9	20.6
60°-70°	36.2	6.2
70°-80°	9.8	1.7
80°-90°	3.3	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°	131.9	22.5
0°-40°	264.4	45.0
0°-60°	537.6	91.6
0°-90°	587.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	587.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	57	57	57	57	57	
5°	100	81	56	45	44	13
15°	397	204	48	41	42	114
25°	663	346	36	37	41	303
35°	758	417	24	34	41	476
45°	809	347	17	33	41	601
55°	584	132	14	31	40	482
65°	45	5	10	25	35	100
75°	3	3	5	15	23	3
85°	1	1	2	5	7	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°	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
2.5°	72.4	73.0	72.4	72.4	71.8	71.2	67.1	62.4	57.1	53.0	50.0
5°	99.5	100.1	98.3	98.3	97.1	95.3	81.2	67.7	55.9	49.4	45.3
7.5°	147.1	149.5	146.6	143.0	136.5	135.4	101.2	73.0	54.7	45.9	42.4
10°	222.5	220.7	217.8	210.7	199.5	194.2	129.5	78.3	53.0	43.6	41.2
12.5°	313.7	309.0	305.5	292.5	277.2	268.4	164.8	83.0	50.6	41.2	40.6
15°	396.7	393.2	384.9	372.6	353.7	346.7	204.2	85.9	48.3	39.4	40.6
17.5°	466.7	463.2	458.5	446.1	426.7	416.1	248.4	87.7	45.3	38.3	40.0
20°	523.2	520.9	514.4	504.4	485.0	475.0	283.7	87.7	42.4	37.1	39.4
22.5°	596.2	590.9	582.7	568.0	543.8	528.5	317.2	85.9	39.4	35.9	38.3
25°	663.3	659.8	649.2	631.5	605.6	590.3	345.5	82.4	35.9	34.1	37.1
27.5°	703.3	701.0	691.0	672.7	643.9	632.1	369.0	77.1	32.4	32.4	36.5
30°	733.9	729.2	719.2	701.6	672.1	658.0	391.4	70.6	29.4	30.6	35.3
32.5°	749.2	747.5	738.6	723.3	694.5	678.6	409.6	62.4	25.9	29.4	34.7
35°	758.1	756.3	749.2	734.5	707.5	692.2	417.3	54.7	23.5	28.3	34.1
37.5°	765.1	763.4	754.5	739.8	712.8	696.9	413.8	46.5	21.2	27.1	33.5
40°	773.4	766.9	753.4	738.6	713.9	698.6	404.9	38.8	19.4	26.5	33.5
42.5°	793.4	771.0	749.8	736.3	712.8	695.1	379.6	30.6	17.7	25.3	33.0
45°	809.3	769.8	742.8	732.2	708.0	688.0	346.7	22.4	17.1	24.7	33.0
47.5°	767.5	743.4	731.0	725.1	699.2	677.4	312.5	15.3	16.5	24.1	32.4
50°	702.7	699.8	695.1	695.7	672.1	654.5	263.1	10.6	15.3	23.5	31.8
52.5°	671.6	668.0	659.8	653.9	630.4	615.0	208.4	8.2	14.7	23.0	31.2
55°	584.4	586.8	578.0	581.5	574.4	566.8	131.8	7.7	14.1	21.8	30.6
57.5°	384.9	396.7	417.3	442.0	464.4	479.7	71.2	7.7	12.9	21.2	29.4
60°	343.1	340.2	339.6	344.3	354.3	362.6	24.7	7.1	12.4	19.4	28.3
62.5°	187.8	186.6	204.2	234.2	251.9	253.7	7.1	7.1	11.2	18.2	26.5
65°	44.7	46.5	51.8	64.7	76.5	84.2	5.3	6.5	10.0	17.1	24.7
67.5°	7.1	7.7	7.7	9.4	10.6	10.6	4.7	5.9	8.8	15.3	23.0
70°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.3	7.7	13.5	20.6
72.5°	3.5	3.5	3.5	3.5	3.5	3.5	4.1	4.7	6.5	11.8	17.7
75°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.1	5.3	9.4	15.3
77.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.9	3.5	4.7	7.7	12.4
80°	1.8	1.8	1.8	1.8	1.8	1.8	2.4	2.9	3.5	5.9	9.4
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.8	2.4	2.9	4.7	7.1
85°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.8	1.8	2.9	4.7
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.8	2.4
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):

	157.5°	180°
0°	57.1	57.1
2.5°	48.3	47.7
5°	43.6	43.6
7.5°	41.8	41.8
10°	41.2	41.8
12.5°	41.2	41.8
15°	41.2	41.8
17.5°	41.2	41.8
20°	40.6	41.2
22.5°	40.0	40.6
25°	39.4	40.6
27.5°	38.8	40.6
30°	38.8	40.6
32.5°	38.8	40.6
35°	38.3	40.6
37.5°	38.3	40.6
40°	38.3	40.6
42.5°	38.3	40.6
45°	38.3	40.6
47.5°	38.3	40.6
50°	38.3	40.6
52.5°	37.7	40.6
55°	37.7	40.0
57.5°	36.5	38.8
60°	35.3	37.7
62.5°	34.1	36.5
65°	32.4	34.7
67.5°	30.6	32.4
70°	27.7	30.0
72.5°	24.7	26.5
75°	21.2	23.0
77.5°	17.7	19.4
80°	14.1	15.3
82.5°	10.0	11.2
85°	6.5	7.1
87.5°	2.9	2.9
90°	0.0	0.0

(END OF REPORT)