

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: P1327154

Luminaire Tested: LDSQA3D09R65W2N902750DE010 3LSQCA45R 1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327154
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 3000K CCT AND, 90CRI ,
3LSQCA45R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

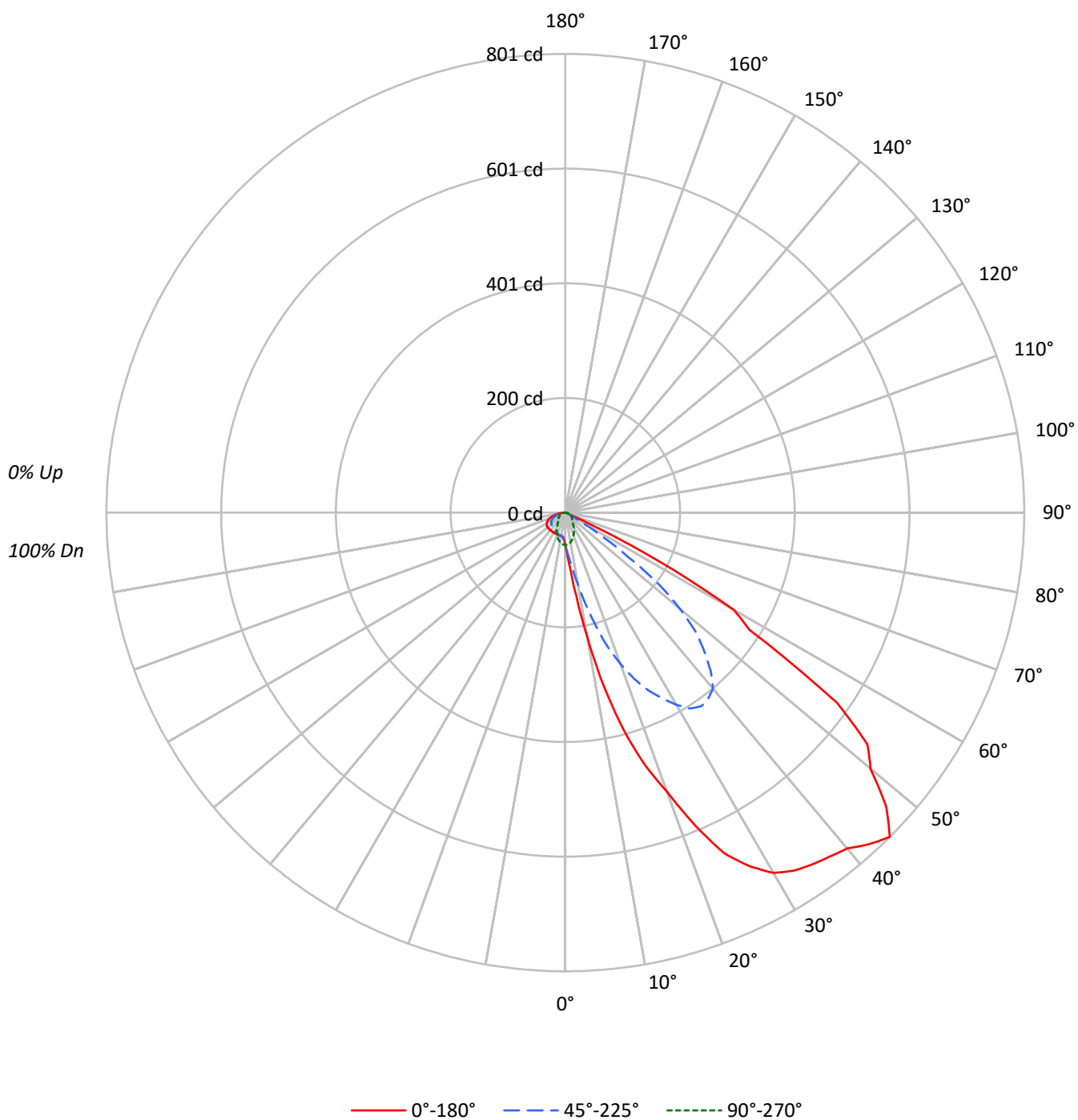
Lumens per Lamp: N/A
Luminaire Lumens: 581.0 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Spacing Criteria (0/90/45): 3.28 / 0.89 / 2.04
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			
RW	70	50	30	10	70	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	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	65	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°	9731	9731	9731	9731	9731
5°	17029	13900	9560	7762	7451
10°	38508	22420	9164	7135	7240
15°	70000	36034	8523	7168	7382
20°	94918	51464	7679	7148	7478
25°	124753	64989	6746	6974	7639
30°	144456	77041	5787	6960	7994
35°	157747	86831	4899	7106	8452
40°	172100	90108	4317	7464	9038
45°	195091	83565	4116	7940	9791
50°	186373	69769	4046	8440	10771
55°	173701	39184	4204	9098	11890
60°	116974	8439	4202	9644	12848
65°	18053	2119	4034	9984	14018
70°	2065	2065	3827	10272	14955
75°	1930	1930	3460	10048	15105
80°	1686	2281	3471	9224	14976
85°	1186	2371	3359	9287	13832

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 195091 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	1.2
10°-20°	36.9	6.4
20°-30°	86.8	14.9
30°-40°	131.1	22.6
40°-50°	150.7	25.9
50°-60°	119.7	20.6
60°-70°	35.8	6.2
70°-80°	9.7	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°	130.6	22.5
0°-40°	261.7	45.0
0°-60°	532.1	91.6
0°-90°	581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	581.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	56	56	56	56	56	
5°	98	80	55	45	43	13
15°	393	202	48	40	41	113
25°	656	342	36	37	40	300
35°	750	413	23	34	40	471
45°	801	343	17	33	40	595
55°	578	130	14	30	40	477
65°	44	5	10	24	34	99
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°	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
2.5°	71.7	72.2	71.7	71.7	71.1	70.5	66.4	61.8	56.5	52.4	49.5
5°	98.5	99.0	97.3	97.3	96.1	94.4	80.4	67.0	55.3	48.9	44.9
7.5°	145.6	148.0	145.1	141.6	135.2	134.0	100.2	72.2	54.2	45.4	41.9
10°	220.2	218.5	215.5	208.6	197.5	192.2	128.2	77.5	52.4	43.1	40.8
12.5°	310.5	305.8	302.3	289.5	274.4	265.6	163.1	82.1	50.1	40.8	40.2
15°	392.6	389.1	381.0	368.8	350.1	343.1	202.1	85.1	47.8	39.0	40.2
17.5°	462.0	458.5	453.8	441.6	422.3	411.9	245.8	86.8	44.9	37.9	39.6
20°	517.9	515.6	509.1	499.2	480.0	470.1	280.8	86.8	41.9	36.7	39.0
22.5°	590.1	584.9	576.7	562.2	538.3	523.1	314.0	85.1	39.0	35.5	37.9
25°	656.5	653.0	642.6	625.1	599.4	584.3	342.0	81.6	35.5	33.8	36.7
27.5°	696.1	693.8	683.9	665.9	637.3	625.7	365.3	76.3	32.0	32.0	36.1
30°	726.4	721.8	711.9	694.4	665.3	651.3	387.4	69.9	29.1	30.3	35.0
32.5°	741.6	739.8	731.1	716.0	687.4	671.7	405.5	61.8	25.6	29.1	34.4
35°	750.3	748.6	741.6	727.0	700.2	685.1	413.0	54.2	23.3	28.0	33.8
37.5°	757.3	755.6	746.8	732.3	705.5	689.7	409.5	46.0	21.0	26.8	33.2
40°	765.5	759.1	745.7	731.1	706.6	691.5	400.8	38.4	19.2	26.2	33.2
42.5°	785.3	763.1	742.2	728.8	705.5	688.0	375.7	30.3	17.5	25.0	32.6
45°	801.0	762.0	735.2	724.7	700.8	681.0	343.1	22.1	16.9	24.5	32.6
47.5°	759.6	735.8	723.5	717.7	692.1	670.5	309.3	15.1	16.3	23.9	32.0
50°	695.6	692.7	688.0	688.6	665.3	647.8	260.4	10.5	15.1	23.3	31.5
52.5°	664.7	661.2	653.0	647.2	623.9	608.8	206.2	8.2	14.6	22.7	30.9
55°	578.5	580.8	572.1	575.6	568.6	561.0	130.5	7.6	14.0	21.6	30.3
57.5°	381.0	392.6	413.0	437.5	459.6	474.8	70.5	7.6	12.8	21.0	29.1
60°	339.6	336.7	336.1	340.8	350.7	358.8	24.5	7.0	12.2	19.2	28.0
62.5°	185.8	184.7	202.1	231.9	249.3	251.1	7.0	7.0	11.1	18.1	26.2
65°	44.3	46.0	51.3	64.1	75.7	83.3	5.2	6.4	9.9	16.9	24.5
67.5°	7.0	7.6	7.6	9.3	10.5	10.5	4.7	5.8	8.7	15.1	22.7
70°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.2	7.6	13.4	20.4
72.5°	3.5	3.5	3.5	3.5	3.5	3.5	4.1	4.7	6.4	11.7	17.5
75°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.1	5.2	9.3	15.1
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.9	3.5	4.7	7.6	12.2
80°	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.9	3.5	5.8	9.3
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.7	2.3	2.9	4.7	7.0
85°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.7	1.7	2.9	4.7
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.7	2.3
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°	56.5	56.5
2.5°	47.8	47.2
5°	43.1	43.1
7.5°	41.4	41.4
10°	40.8	41.4
12.5°	40.8	41.4
15°	40.8	41.4
17.5°	40.8	41.4
20°	40.2	40.8
22.5°	39.6	40.2
25°	39.0	40.2
27.5°	38.4	40.2
30°	38.4	40.2
32.5°	38.4	40.2
35°	37.9	40.2
37.5°	37.9	40.2
40°	37.9	40.2
42.5°	37.9	40.2
45°	37.9	40.2
47.5°	37.9	40.2
50°	37.9	40.2
52.5°	37.3	40.2
55°	37.3	39.6
57.5°	36.1	38.4
60°	35.0	37.3
62.5°	33.8	36.1
65°	32.0	34.4
67.5°	30.3	32.0
70°	27.4	29.7
72.5°	24.5	26.2
75°	21.0	22.7
77.5°	17.5	19.2
80°	14.0	15.1
82.5°	9.9	11.1
85°	6.4	7.0
87.5°	2.9	2.9
90°	0.0	0.0

(END OF REPORT)