

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: P1325354

Luminaire Tested: LDSQA3D05R55W2N902750DE010 3LSQCA45R 1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-80)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R55W2N902750DE010 3LSQCA45R 1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI ,
3LSQCA45R 1MB TRIM
Light Source: -
Ballast/Driver: -

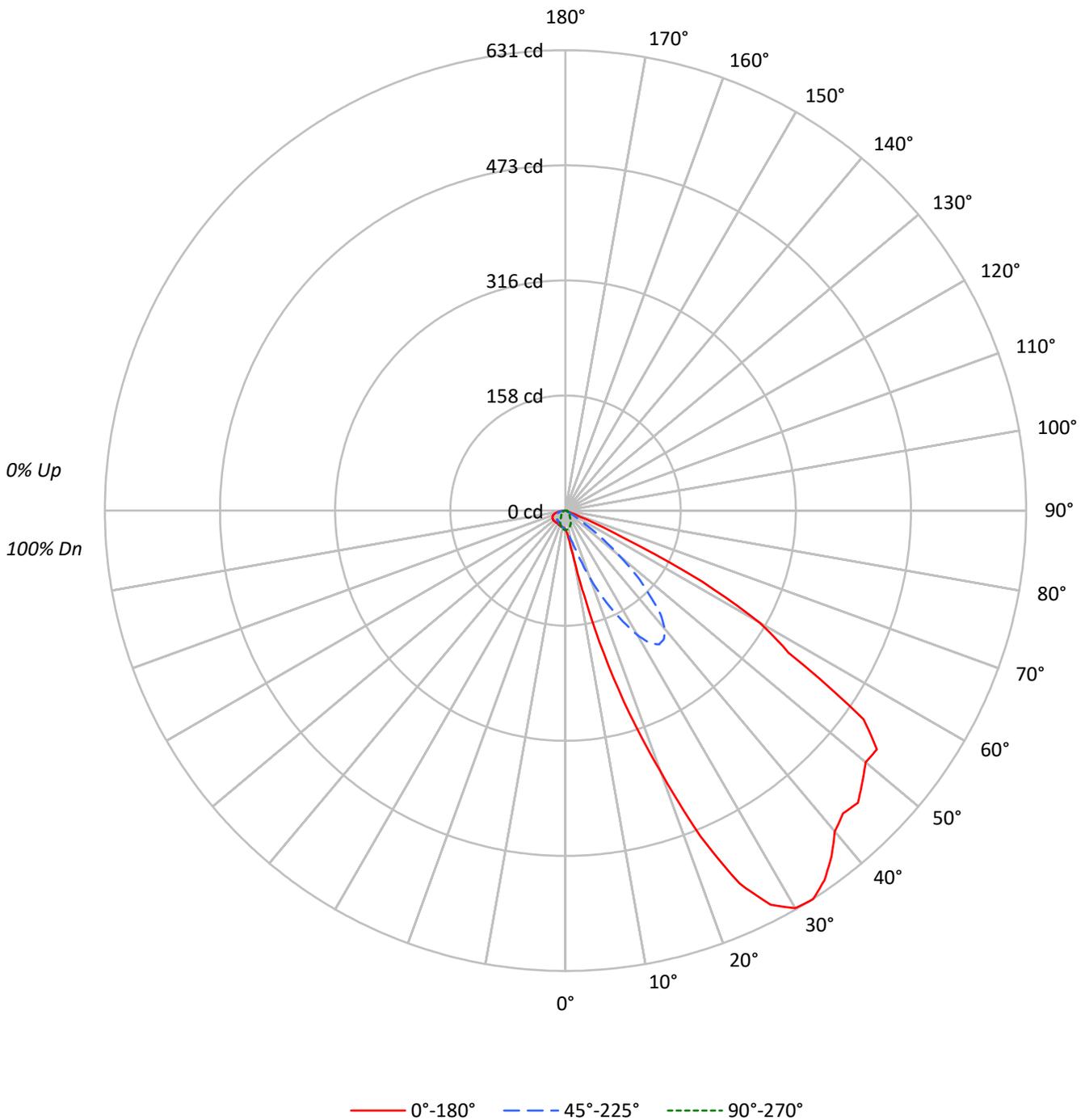
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 406.0 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 3.76 / 0.91 / 1.95
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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				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	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	75	73
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	63	63	63	61
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	54	54	54	51
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	46	46	46	43
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	39	39	39	37
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	38	34	34	34	34	32
8	59	45	36	30	57	44	36	30	43	35	30	41	35	29	40	34	29	29	29	29	27
9	54	40	32	26	53	40	32	26	39	31	26	38	31	26	36	30	26	26	26	26	24
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	23	23	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4512	4512	4512	4512	4512
5°	5774	5273	4529	4218	4097
10°	11734	6715	4389	4022	4022
15°	36016	10306	4101	3905	4030
20°	69626	18016	3684	3812	4014
25°	107156	28010	3211	3687	4029
30°	125126	39157	2645	3639	4136
35°	130016	47053	2187	3616	4289
40°	129047	47505	2023	3799	4676
45°	137952	39311	1924	4116	5066
50°	143798	25963	1929	4421	5680
55°	149710	11320	1952	4834	6245
60°	105779	2583	1963	5304	7027
65°	34516	897	1915	5705	7906
70°	1108	906	1964	6143	9013
75°	932	932	1664	6455	10048
80°	694	1091	1785	6447	10711
85°	790	1383	2174	6323	10671

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 52.5°
 Luminance: 152119 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.7
10°-20°	17.2	4.2
20°-30°	57.8	14.2
30°-40°	94.9	23.4
40°-50°	105.9	26.1
50°-60°	89.1	21.9
60°-70°	30.2	7.4
70°-80°	5.9	1.5
80°-90°	2.2	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°	77.8	19.2
0°-40°	172.7	42.5
0°-60°	367.7	90.6
0°-90°	406.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	406.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	33	30	26	24	24	4
15°	202	58	23	22	23	64
25°	564	147	17	19	21	253
35°	618	224	10	17	20	384
45°	566	161	8	17	21	433
55°	499	38	6	16	21	406
65°	85	2	5	14	19	115
75°	1	1	2	10	15	2
85°	0	1	1	3	5	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°	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
2.5°	28.7	28.7	28.7	28.7	28.7	28.7	28.3	27.3	26.5	25.5	25.1
5°	33.4	33.4	33.4	33.0	33.0	32.3	30.5	28.0	26.2	24.8	24.4
7.5°	43.0	42.7	42.0	41.6	40.5	40.2	33.7	28.7	25.8	24.0	23.7
10°	67.1	66.4	65.3	61.3	57.8	55.2	38.4	29.1	25.1	23.3	23.0
12.5°	120.9	119.5	114.1	105.8	95.8	90.8	45.9	29.4	24.0	22.6	22.6
15°	202.0	200.2	190.1	178.6	160.4	150.3	57.8	29.1	23.0	21.5	21.9
17.5°	291.6	286.6	276.2	261.2	236.4	224.6	75.3	28.3	21.5	20.8	21.5
20°	379.9	378.5	361.2	340.8	310.3	294.5	98.3	27.3	20.1	19.7	20.8
22.5°	483.2	477.1	458.8	436.9	395.0	374.2	123.0	25.8	18.7	18.7	20.1
25°	563.9	556.7	542.4	516.9	477.1	454.9	147.4	24.0	16.9	17.6	19.4
27.5°	609.1	600.9	590.1	568.2	537.4	517.6	171.8	21.9	15.1	16.5	18.7
30°	629.2	627.1	619.2	603.0	574.7	557.1	196.9	19.4	13.3	15.4	18.3
32.5°	631.4	632.4	629.2	618.8	597.3	582.2	215.6	17.2	11.8	14.7	17.6
35°	618.4	622.4	624.5	620.2	606.2	594.0	223.8	14.7	10.4	14.0	17.2
37.5°	598.4	605.5	612.7	613.8	605.2	597.3	221.7	12.6	9.7	13.6	17.2
40°	574.0	580.4	595.1	604.5	601.6	595.8	211.3	10.4	9.0	12.9	16.9
42.5°	562.8	564.3	580.1	595.8	595.1	590.5	193.0	8.3	8.3	12.9	16.9
45°	566.4	560.0	570.4	588.7	587.6	581.5	161.4	6.5	7.9	12.6	16.9
47.5°	551.4	542.4	560.0	581.5	577.5	568.6	133.4	4.7	7.5	12.2	16.5
50°	536.7	535.2	548.8	559.6	554.2	549.2	96.9	3.6	7.2	11.8	16.5
52.5°	537.7	535.2	536.7	536.3	525.5	520.2	66.4	2.9	6.8	11.5	16.5
55°	498.6	490.7	483.2	485.4	486.1	482.5	37.7	2.5	6.5	11.5	16.1
57.5°	362.3	360.2	368.4	391.7	410.0	412.2	18.3	2.5	6.1	11.1	15.8
60°	307.1	305.6	306.0	312.8	322.5	316.4	7.5	2.5	5.7	10.8	15.4
62.5°	211.6	225.6	231.4	247.2	240.7	232.1	2.9	2.9	5.4	10.0	15.1
65°	84.7	84.3	92.2	99.7	97.6	91.1	2.2	2.5	4.7	9.3	14.0
67.5°	19.7	17.9	15.4	13.3	11.1	9.0	2.2	2.5	4.3	8.6	13.3
70°	2.2	2.2	2.2	2.2	2.2	1.8	1.8	2.5	3.9	7.9	12.2
72.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2	3.2	6.8	11.1
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.8	2.5	5.7	9.7
77.5°	1.1	1.1	1.1	1.4	1.1	1.4	1.4	1.8	2.2	4.7	8.3
80°	0.7	0.7	1.1	1.1	1.1	1.1	1.1	1.4	1.8	3.9	6.5
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.1	1.4	2.9	4.7
85°	0.4	0.4	0.4	0.4	0.4	0.7	0.7	1.1	1.1	2.2	3.2
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	1.1	1.1	1.4
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°	26.2	26.2
2.5°	24.8	24.8
5°	24.0	23.7
7.5°	23.3	23.3
10°	23.0	23.0
12.5°	22.6	23.0
15°	22.6	22.6
17.5°	21.9	22.2
20°	21.5	21.9
22.5°	21.2	21.5
25°	20.8	21.2
27.5°	20.4	20.8
30°	20.1	20.8
32.5°	19.7	20.4
35°	19.7	20.4
37.5°	19.7	20.8
40°	19.7	20.8
42.5°	19.7	20.8
45°	19.7	20.8
47.5°	19.7	20.8
50°	19.7	21.2
52.5°	19.7	21.2
55°	19.7	20.8
57.5°	19.4	20.8
60°	19.4	20.4
62.5°	19.0	20.1
65°	18.3	19.4
67.5°	17.6	19.0
70°	16.5	17.9
72.5°	15.4	16.5
75°	14.0	15.1
77.5°	12.2	12.9
80°	9.7	10.8
82.5°	7.5	8.3
85°	5.0	5.4
87.5°	2.2	2.5
90°	0.0	0.0

(END OF REPORT)