

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: P1325355

Luminaire Tested: LDSQA3D05R55W2N902750DE010 3LSQCA45R 1MB_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325355
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,
3LSQCA45R 1MB TRIM
Light Source: -
Ballast/Driver: -

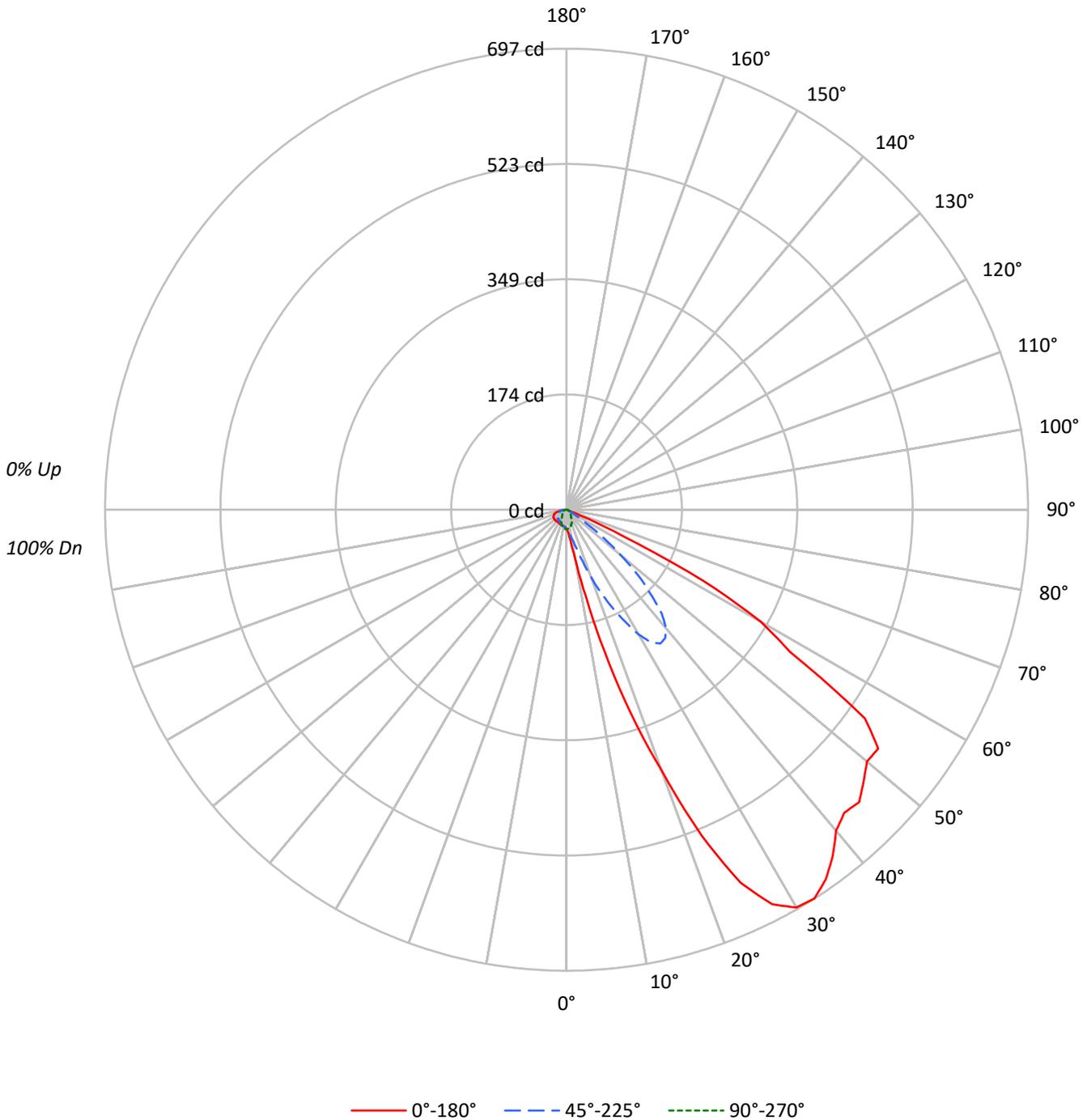
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 448.1 lumens
Efficiency: N/A
Efficacy: 75.9 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				
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	100	100	100	100
1	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86	86	86	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73	73	73	73
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61	61	61	61
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51	51	51	51
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43	43	43	43
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37	37	37	37
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	38	34	32	32	32	32
8	59	45	36	30	57	44	36	30	43	35	30	41	35	29	40	34	29	27	27	27	27
9	54	40	32	26	53	40	32	26	39	31	26	38	31	26	36	30	26	24	24	24	24
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	21	21	21	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4977	4977	4977	4977	4977
5°	6362	5809	4996	4650	4512
10°	12941	7415	4844	4424	4424
15°	39743	11358	4511	4297	4440
20°	76829	19885	4069	4215	4417
25°	118254	30917	3534	4067	4447
30°	138072	43213	2903	4017	4574
35°	143471	51931	2418	3995	4752
40°	142379	52406	2226	4182	5171
45°	152225	43378	2119	4530	5602
50°	158669	28642	2117	4876	6270
55°	165204	12491	2132	5345	6906
60°	116698	2859	2170	5856	7784
65°	38062	978	2078	6276	8721
70°	1209	1007	2216	6798	9970
75°	1065	1065	1863	7120	11046
80°	793	1190	1984	7042	11802
85°	790	1581	2371	7114	11659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 52.5°
 Luminance: 167877 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.7
10°-20°	19.0	4.2
20°-30°	63.8	14.2
30°-40°	104.7	23.4
40°-50°	116.8	26.1
50°-60°	98.3	21.9
60°-70°	33.4	7.4
70°-80°	6.5	1.5
80°-90°	2.5	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°	85.9	19.2
0°-40°	190.6	42.5
0°-60°	405.7	90.5
0°-90°	448.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	448.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	29	29	29	29	29	
5°	37	34	29	27	26	5
15°	223	64	25	24	25	71
25°	622	163	19	21	23	280
35°	682	247	12	19	23	424
45°	625	178	9	19	23	477
55°	550	42	7	18	23	448
65°	93	2	5	15	21	127
75°	2	2	3	11	17	2
85°	0	1	1	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°	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
2.5°	31.7	31.7	31.7	31.7	31.7	31.7	31.3	30.1	29.3	28.1	27.7
5°	36.8	36.8	36.8	36.4	36.4	35.6	33.6	30.9	28.9	27.3	26.9
7.5°	47.5	47.1	46.3	45.9	44.7	44.3	37.2	31.7	28.5	26.5	26.1
10°	74.0	73.2	72.0	67.7	63.7	61.0	42.4	32.1	27.7	25.7	25.3
12.5°	133.4	131.8	125.9	116.8	105.7	100.1	50.7	32.5	26.5	24.9	24.9
15°	222.9	220.9	209.8	197.1	176.9	165.9	63.7	32.1	25.3	23.8	24.1
17.5°	321.8	316.3	304.8	288.2	260.9	247.8	83.1	31.3	23.8	23.0	23.8
20°	419.2	417.6	398.6	376.0	342.4	325.0	108.5	30.1	22.2	21.8	23.0
22.5°	533.2	526.5	506.3	482.1	435.8	412.9	135.8	28.5	20.6	20.6	22.2
25°	622.3	614.3	598.5	570.4	526.5	501.9	162.7	26.5	18.6	19.4	21.4
27.5°	672.1	663.0	651.1	627.0	593.0	571.2	189.6	24.1	16.6	18.2	20.6
30°	694.3	691.9	683.2	665.4	634.1	614.7	217.3	21.4	14.6	17.0	20.2
32.5°	696.7	697.9	694.3	682.8	659.1	642.4	237.9	19.0	13.1	16.2	19.4
35°	682.4	686.8	689.1	684.4	669.0	655.5	247.0	16.2	11.5	15.4	19.0
37.5°	660.3	668.2	676.1	677.3	667.8	659.1	244.6	13.9	10.7	15.0	19.0
40°	633.3	640.5	656.7	667.0	663.8	657.5	233.1	11.5	9.9	14.3	18.6
42.5°	621.1	622.6	640.1	657.5	656.7	651.5	213.0	9.1	9.1	14.3	18.6
45°	625.0	617.9	629.4	649.6	648.4	641.6	178.1	7.1	8.7	13.9	18.6
47.5°	608.4	598.5	617.9	641.6	637.3	627.4	147.3	5.1	8.3	13.5	18.2
50°	592.2	590.6	605.6	617.5	611.6	606.0	106.9	4.0	7.9	13.1	18.2
52.5°	593.4	590.6	592.2	591.8	579.9	574.0	73.2	3.2	7.5	12.7	18.2
55°	550.2	541.5	533.2	535.6	536.4	532.4	41.6	2.8	7.1	12.7	17.8
57.5°	399.8	397.4	406.5	432.3	452.4	454.8	20.2	2.8	6.7	12.3	17.4
60°	338.8	337.3	337.6	345.2	355.9	349.1	8.3	2.8	6.3	11.9	17.0
62.5°	233.5	249.0	255.3	272.7	265.6	256.1	3.2	3.2	5.9	11.1	16.6
65°	93.4	93.0	101.7	110.0	107.7	100.5	2.4	2.8	5.1	10.3	15.4
67.5°	21.8	19.8	17.0	14.6	12.3	9.9	2.4	2.8	4.8	9.5	14.6
70°	2.4	2.4	2.4	2.4	2.4	2.0	2.0	2.8	4.4	8.7	13.5
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.4	3.6	7.5	12.3
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.8	6.3	10.7
77.5°	1.2	1.2	1.2	1.6	1.2	1.6	1.6	2.0	2.4	5.1	9.1
80°	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.6	2.0	4.4	7.1
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.6	3.2	5.1
85°	0.4	0.4	0.4	0.4	0.4	0.8	0.8	1.2	1.2	2.4	3.6
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	1.2	1.2	1.6
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°	28.9	28.9
2.5°	27.3	27.3
5°	26.5	26.1
7.5°	25.7	25.7
10°	25.3	25.3
12.5°	24.9	25.3
15°	24.9	24.9
17.5°	24.1	24.5
20°	23.8	24.1
22.5°	23.4	23.8
25°	23.0	23.4
27.5°	22.6	23.0
30°	22.2	23.0
32.5°	21.8	22.6
35°	21.8	22.6
37.5°	21.8	23.0
40°	21.8	23.0
42.5°	21.8	23.0
45°	21.8	23.0
47.5°	21.8	23.0
50°	21.8	23.4
52.5°	21.8	23.4
55°	21.8	23.0
57.5°	21.4	23.0
60°	21.4	22.6
62.5°	21.0	22.2
65°	20.2	21.4
67.5°	19.4	21.0
70°	18.2	19.8
72.5°	17.0	18.2
75°	15.4	16.6
77.5°	13.5	14.3
80°	10.7	11.9
82.5°	8.3	9.1
85°	5.5	5.9
87.5°	2.4	2.8
90°	0.0	0.0

(END OF REPORT)