Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1325407

Luminaire Tested: LDSQA3D05R55W2N902765DE010 3LSQCA45R 1MB_6500K

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1325407
	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:	LDSQA3D05R55W2N902765DE010 3LSQCA45R 1MB_6500K
Description:	3in Adjustable Tunable White LED luminaire with, R55 optic, 6500K CCT AND, 90CRI , 3LSQCA45R 1MB TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	452.1 lumens
Efficiency:	N/A
Efficacy:	76.6 lumens/watt
Spacing Criteria (0/90/45):	3.75 / 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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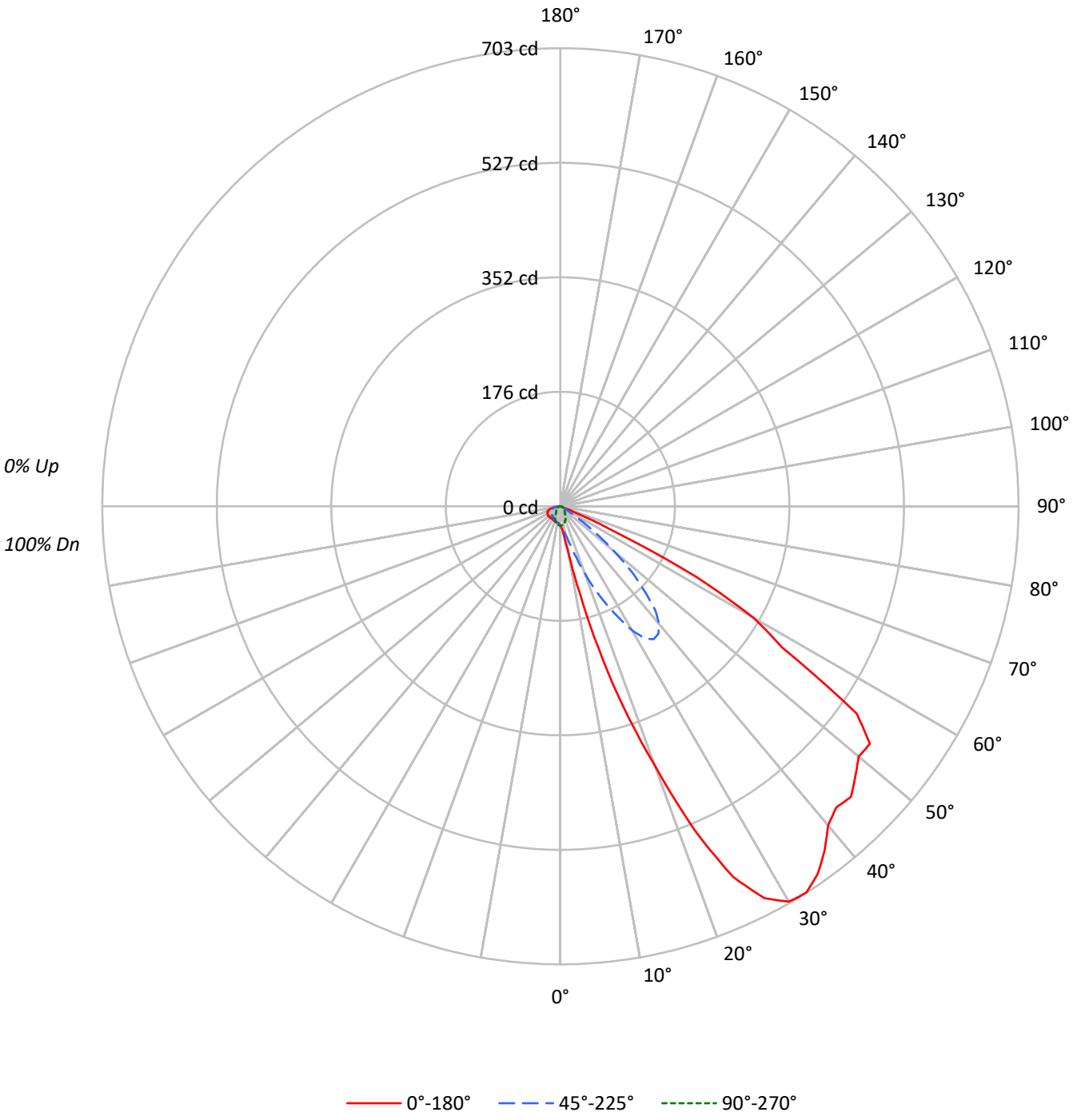
Luminous Intensity Polar Plot



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5029	5029	5029	5029	5029
5°	6414	5861	5048	4702	4564
10°	13063	7467	4897	4477	4477
15°	40081	11465	4564	4350	4493
20°	77507	20050	4105	4252	4472
25°	119299	31183	3573	4105	4485
30°	139305	43611	2943	4057	4614
35°	144754	52393	2439	4037	4794
40°	143660	52878	2248	4227	5216
45°	153589	43768	2143	4579	5651
50°	160089	28883	2143	4930	6323
55°	166675	12581	2162	5405	6966
60°	117766	2893	2204	5924	7853
65°	38429	978	2119	6357	8802
70°	1209	1007	2216	6848	10071
75°	1065	1065	1863	7187	11179
80°	793	1190	1984	7141	11901
85°	790	1581	2371	7114	11856

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 52.5°
Luminance: 169376 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.7
10°-20°	19.2	4.2
20°-30°	64.3	14.2
30°-40°	105.7	23.4
40°-50°	117.9	26.1
50°-60°	99.2	21.9
60°-70°	33.7	7.4
70°-80°	6.6	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°	86.6	19.2
0°-40°	192.3	42.5
0°-60°	409.4	90.5
0°-90°	452.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	452.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	29	29	29	29	29	
5°	37	34	29	27	26	5
15°	225	64	26	24	25	71
25°	628	164	19	22	24	282
35°	688	249	12	19	23	428
45°	631	180	9	19	23	482
55°	555	42	7	18	23	452
65°	94	2	5	16	22	128
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°	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
2.5°	31.9	31.9	31.9	31.9	31.9	31.9	31.6	30.4	29.6	28.4	28.0
5°	37.1	37.1	37.1	36.7	36.7	35.9	33.9	31.2	29.2	27.6	27.2
7.5°	47.9	47.5	46.7	46.3	45.1	44.7	37.5	31.9	28.8	26.8	26.4
10°	74.7	73.9	72.7	68.3	64.3	61.5	42.7	32.3	28.0	26.0	25.6
12.5°	134.6	133.0	127.0	117.8	106.6	101.0	51.1	32.7	26.8	25.2	25.2
15°	224.8	222.8	211.7	198.9	178.5	167.3	64.3	32.3	25.6	24.0	24.4
17.5°	324.7	319.1	307.5	290.7	263.2	250.0	83.9	31.6	24.0	23.2	24.0
20°	422.9	421.3	402.2	379.4	345.5	327.9	109.4	30.4	22.4	22.0	23.2
22.5°	538.0	531.2	510.8	486.4	439.7	416.5	137.0	28.8	20.8	20.8	22.4
25°	627.8	619.8	603.8	575.5	531.2	506.4	164.1	26.8	18.8	19.6	21.6
27.5°	678.1	668.9	657.0	632.6	598.3	576.3	191.3	24.4	16.8	18.4	20.8
30°	700.5	698.1	689.3	671.3	639.8	620.2	219.3	21.6	14.8	17.2	20.4
32.5°	702.9	704.1	700.5	688.9	664.9	648.2	240.0	19.2	13.2	16.4	19.6
35°	688.5	692.9	695.3	690.5	674.9	661.4	249.2	16.4	11.6	15.6	19.2
37.5°	666.1	674.1	682.1	683.3	673.7	664.9	246.8	14.0	10.8	15.2	19.2
40°	639.0	646.2	662.6	672.9	669.7	663.4	235.2	11.6	10.0	14.4	18.8
42.5°	626.6	628.2	645.8	663.4	662.6	657.4	214.9	9.2	9.2	14.4	18.8
45°	630.6	623.4	635.0	655.4	654.2	647.4	179.7	7.2	8.8	14.0	18.8
47.5°	613.8	603.8	623.4	647.4	643.0	633.0	148.6	5.2	8.4	13.6	18.4
50°	597.5	595.9	611.0	623.0	617.0	611.4	107.8	4.0	8.0	13.2	18.4
52.5°	598.7	595.9	597.5	597.1	585.1	579.1	73.9	3.2	7.6	12.8	18.4
55°	555.1	546.3	538.0	540.3	541.1	537.2	41.9	2.8	7.2	12.8	18.0
57.5°	403.4	401.0	410.2	436.1	456.5	458.9	20.4	2.8	6.8	12.4	17.6
60°	341.9	340.3	340.7	348.2	359.0	352.2	8.4	2.8	6.4	12.0	17.2
62.5°	235.6	251.2	257.6	275.2	268.0	258.4	3.2	3.2	6.0	11.2	16.8
65°	94.3	93.9	102.6	111.0	108.6	101.4	2.4	2.8	5.2	10.4	15.6
67.5°	22.0	20.0	17.2	14.8	12.4	10.0	2.4	2.8	4.8	9.6	14.8
70°	2.4	2.4	2.4	2.4	2.4	2.0	2.0	2.8	4.4	8.8	13.6
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.4	3.6	7.6	12.4
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.8	6.4	10.8
77.5°	1.2	1.2	1.2	1.6	1.2	1.6	1.6	2.0	2.4	5.2	9.2
80°	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.6	2.0	4.4	7.2
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.6	3.2	5.2
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°	29.2	29.2
2.5°	27.6	27.6
5°	26.8	26.4
7.5°	26.0	26.0
10°	25.6	25.6
12.5°	25.2	25.6
15°	25.2	25.2
17.5°	24.4	24.8
20°	24.0	24.4
22.5°	23.6	24.0
25°	23.2	23.6
27.5°	22.8	23.2
30°	22.4	23.2
32.5°	*22.0*	*22.8*
35°	22.0	22.8
37.5°	22.0	23.2
40°	22.0	23.2
42.5°	22.0	23.2
45°	22.0	23.2
47.5°	22.0	23.2
50°	22.0	23.6
52.5°	22.0	23.6
55°	22.0	23.2
57.5°	21.6	23.2
60°	21.6	22.8
62.5°	21.2	22.4
65°	20.4	21.6
67.5°	19.6	21.2
70°	18.4	20.0
72.5°	17.2	18.4
75°	15.6	16.8
77.5°	13.6	14.4
80°	10.8	12.0
82.5°	8.4	9.2
85°	5.6	6.0
87.5°	2.4	2.8
90°	0.0	0.0

(END OF REPORT)