

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: P1323679

Luminaire Tested: LDSQA3D05R609030D2WDE010 3LSQCA45R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-81)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R609030D2WDE010 3LSQCA45R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R60 optic, 3000K CCT AND, 90CRI ,
3LSQCA45R 1MW TRIM
Light Source: -
Ballast/Driver: -

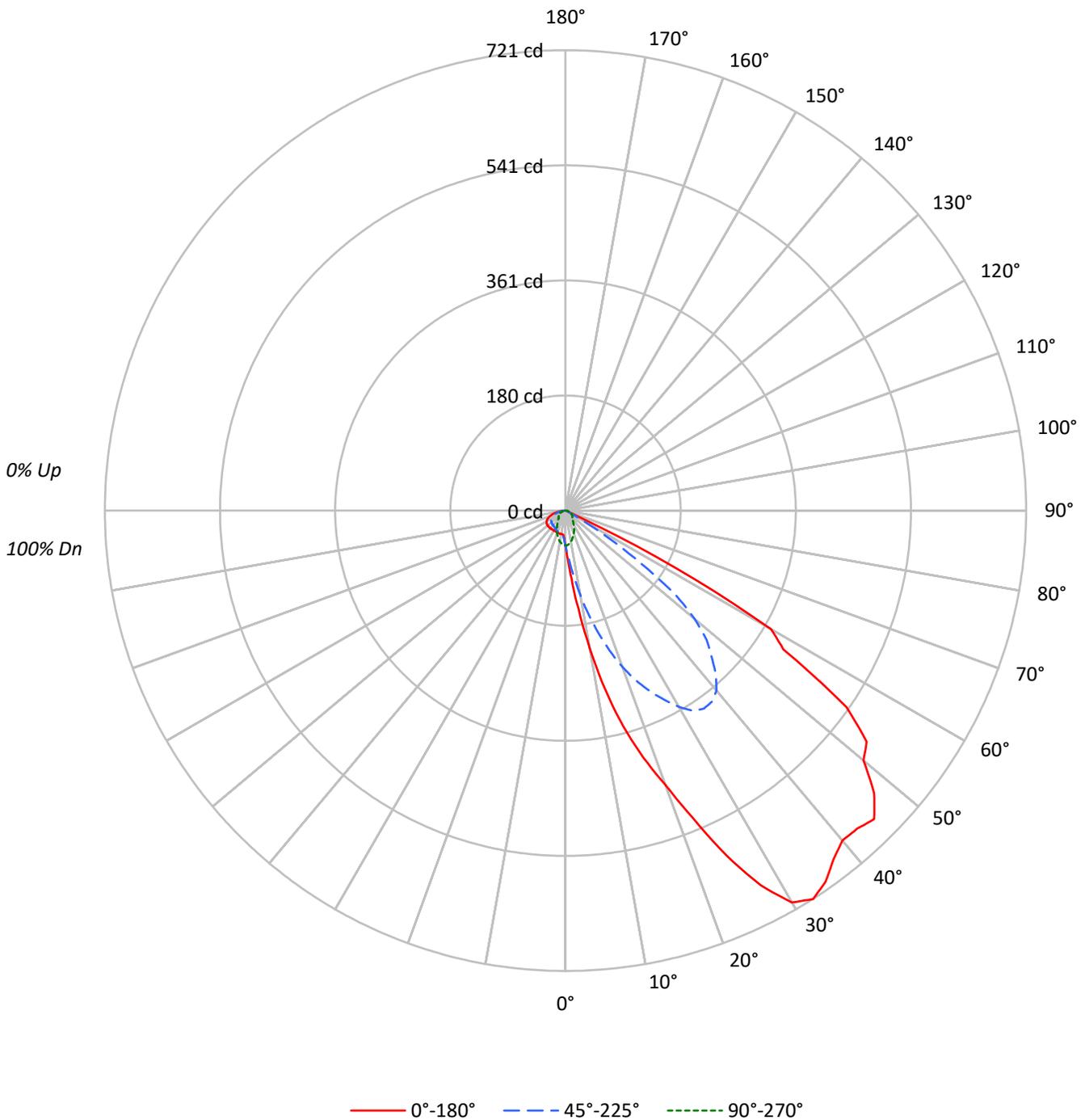
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 549.0 lumens
Efficiency: N/A
Efficacy: 49.5 lumens/watt
Spacing Criteria (0/90/45): 3.38 / 0.84 / 2.07
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	89	89	89	87
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	79	76	76	76	76	74
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	64	64	64	62
4	84	72	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	55	55	55	53
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	47	45
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	41	41	41	39
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	35	35	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	31	31	31	29
9	55	42	33	28	54	41	33	28	40	33	28	39	32	27	38	32	27	27	27	27	25
10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	24	24	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9369	9369	9369	9369	9369
5°	18464	14401	9232	6984	6639
10°	38141	23469	8639	6366	6453
15°	62369	35232	7738	6401	6579
20°	83684	47743	6946	6396	6671
25°	113237	59269	6062	6347	6917
30°	140916	70558	5071	6344	7239
35°	149190	79536	4310	6497	7548
40°	151574	82689	3934	6722	8183
45°	166400	78767	3775	7161	8866
50°	163116	70600	3751	7609	9753
55°	161240	43298	3753	8227	10779
60°	127893	10299	3961	8783	11677
65°	8150	1834	3871	8965	12592
70°	1762	2014	3777	9316	13294
75°	1664	1996	3327	8983	13641
80°	1488	1984	3471	8926	12893
85°	988	1976	3952	7904	12844

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 52.5°
 Luminance: 175628 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	1.2
10°-20°	34.2	6.2
20°-30°	79.4	14.5
30°-40°	123.4	22.5
40°-50°	140.6	25.6
50°-60°	118.4	21.6
60°-70°	34.4	6.3
70°-80°	8.8	1.6
80°-90°	3.0	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°	120.4	21.9
0°-40°	243.8	44.4
0°-60°	502.8	91.6
0°-90°	549.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	549.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	54	54	54	54	54	
5°	107	83	53	40	38	14
15°	350	198	43	36	37	101
25°	596	312	32	33	36	277
35°	710	378	20	31	36	441
45°	683	323	16	29	36	514
55°	537	144	12	27	36	452
65°	20	4	10	22	31	99
75°	2	3	5	14	20	3
85°	0	1	2	4	6	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
2.5°	73.4	72.9	72.9	72.4	71.9	71.4	69.9	69.4	66.4	60.4	54.4
5°	106.8	106.3	104.8	104.3	101.8	98.3	94.8	91.3	83.3	66.4	53.4
7.5°	154.7	155.7	154.7	149.2	145.7	140.2	129.8	122.3	106.3	72.4	51.4
10°	218.1	218.1	216.6	208.1	200.6	190.1	176.7	163.7	134.2	77.9	49.4
12.5°	287.0	288.4	281.0	274.0	260.5	247.5	229.1	209.6	166.2	82.3	46.9
15°	349.8	348.8	341.3	332.4	318.4	300.4	281.0	256.0	197.6	85.3	43.4
17.5°	405.7	403.7	397.2	387.3	370.3	350.3	325.4	298.4	230.1	87.8	40.9
20°	456.6	449.6	442.2	431.7	415.2	394.2	368.3	337.9	260.5	87.8	37.9
22.5°	521.0	514.0	503.5	487.6	465.6	439.7	409.2	374.8	287.5	85.8	34.9
25°	595.9	590.4	572.4	551.9	523.5	492.6	457.1	410.7	311.9	82.8	31.9
27.5°	661.2	655.3	637.3	607.3	572.9	536.0	498.5	451.1	333.4	77.4	28.4
30°	708.6	701.2	687.2	658.7	616.8	571.9	527.5	482.1	354.8	70.9	25.5
32.5°	721.1	720.1	709.6	688.7	651.3	601.9	549.0	499.5	371.8	62.4	23.0
35°	709.6	711.1	709.1	698.7	671.2	622.8	562.9	509.0	378.3	53.9	20.5
37.5°	688.7	690.7	694.2	695.7	678.2	635.3	570.9	513.0	376.8	45.4	19.0
40°	674.2	673.2	673.2	683.2	679.7	640.8	571.9	510.0	367.8	36.4	17.5
42.5°	675.7	664.7	657.2	673.2	678.2	638.3	565.4	502.0	348.3	27.9	16.0
45°	683.2	659.7	646.8	667.2	675.2	629.8	553.4	490.1	323.4	19.5	15.5
47.5°	655.3	639.8	637.8	666.7	669.7	615.3	535.0	471.1	299.4	13.5	14.5
50°	608.8	606.3	616.8	646.8	647.3	591.4	514.0	436.7	263.5	9.5	14.0
52.5°	594.4	595.9	605.3	620.8	606.3	550.9	476.1	407.7	218.1	7.5	13.5
55°	537.0	539.5	548.5	557.9	547.5	501.5	430.2	372.8	144.2	7.0	12.5
57.5°	404.2	410.7	427.2	435.7	436.7	408.7	389.8	321.4	81.3	7.0	12.0
60°	371.3	362.8	355.3	337.9	321.9	318.4	320.4	241.0	29.9	6.5	11.5
62.5°	194.1	190.1	201.6	209.1	211.1	222.1	207.6	127.3	6.5	6.5	10.5
65°	20.0	20.0	24.5	32.4	53.9	71.9	68.4	36.9	4.5	6.0	9.5
67.5°	6.0	6.0	6.0	7.0	9.0	9.0	7.5	5.5	4.5	5.5	8.5
70°	3.5	3.5	3.5	3.5	3.5	3.5	4.0	3.5	4.0	5.0	7.5
72.5°	3.0	3.0	3.0	3.0	3.5	3.5	3.5	3.5	3.5	4.5	6.5
75°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.0	3.0	3.5	5.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.5	3.0	4.0
80°	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.5	3.5
82.5°	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	2.0	2.5
85°	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	2.0
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.5
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):

	112.5°	135°	157.5°	180°
0°	54.4	54.4	54.4	54.4
2.5°	49.4	45.9	43.9	42.9
5°	44.9	40.4	38.9	38.4
7.5°	40.9	37.9	37.4	37.4
10°	38.4	36.4	36.9	36.9
12.5°	36.9	36.4	36.9	37.4
15°	35.4	35.9	36.9	36.9
17.5°	34.4	35.4	36.4	36.9
20°	32.9	34.9	36.4	36.4
22.5°	31.9	34.4	35.9	36.4
25°	30.9	33.4	35.4	36.4
27.5°	29.4	32.9	35.4	35.9
30°	27.9	31.9	34.9	36.4
32.5°	26.4	31.4	34.9	35.9
35°	25.5	30.9	34.9	35.9
37.5°	24.5	30.4	34.9	36.4
40°	24.0	29.9	34.4	36.4
42.5°	23.0	29.9	34.4	36.4
45°	22.5	29.4	34.4	36.4
47.5°	22.0	28.9	34.4	36.4
50°	21.0	28.4	33.9	36.4
52.5°	20.5	27.9	33.9	36.4
55°	19.5	27.4	33.4	35.9
57.5°	19.0	26.4	32.9	34.9
60°	18.0	25.5	31.9	33.9
62.5°	16.5	24.0	30.4	32.9
65°	15.0	22.0	28.9	30.9
67.5°	13.5	20.5	26.9	28.9
70°	12.0	18.5	24.5	26.4
72.5°	10.5	16.0	22.0	23.5
75°	9.0	13.5	18.5	20.5
77.5°	7.0	11.0	15.5	17.0
80°	5.5	9.0	12.0	13.0
82.5°	4.5	6.5	9.0	9.5
85°	3.0	4.0	5.5	6.5
87.5°	1.5	2.0	2.5	3.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)