

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: P1323533

Luminaire Tested: LDSQA3D02R609030D2WDE010 3LSQCA45R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323533
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: LDSQA3D02R609030D2WDE010 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

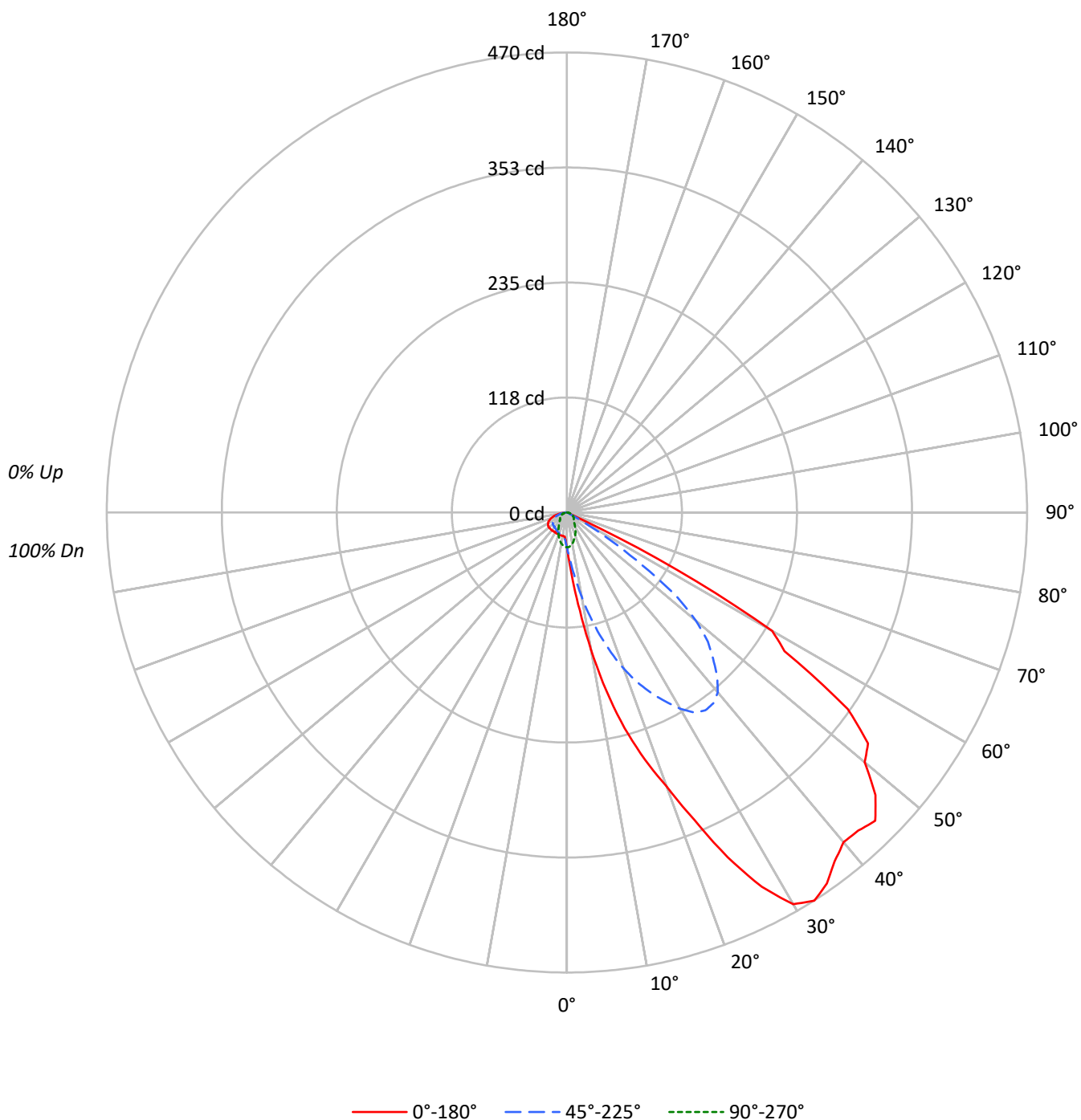
Lumens per Lamp: N/A
Luminaire Lumens: 358.0 lumens
Efficiency: N/A
Efficacy: 49.7 lumens/watt
Spacing Criteria (0/90/45): 3.38 / 0.84 / 2.07
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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

TEST NUMBER: P1323533

CATALOG NUMBER: LDSQA3D02R609030D2WDE010 3LSQCA45R 1MW

Luminous Intensity Polar Plot



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CATALOG NUMBER: LDSQA3D02R609030D2WDE010 3LSQCA45R 1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6114	6114	6114	6114	6114
5°	12032	9387	6016	4564	4339
10°	24868	15302	5631	4162	4215
15°	40670	22983	5046	4172	4297
20°	54579	31139	4527	4179	4362
25°	73844	38651	3953	4143	4523
30°	91896	46017	3301	4136	4733
35°	97301	51867	2796	4247	4920
40°	98854	53912	2563	4384	5351
45°	108506	51367	2460	4676	5797
50°	106369	46031	2438	4957	6377
55°	105151	28225	2432	5375	7026
60°	83390	6717	2583	5718	7612
65°	5298	1182	2527	5827	8232
70°	1158	1309	2467	6043	8661
75°	1065	1331	2196	5856	8850
80°	992	1289	2281	5852	8430
85°	593	1383	2569	5138	8299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 52.5°

Luminance: 114521 cd/sqm

TEST NUMBER: P1323533

CATALOG NUMBER: LDSQA3D02R609030D2WDE010 3LSQCA45R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	1.2
10°-20°	22.3	6.2
20°-30°	51.8	14.5
30°-40°	80.5	22.5
40°-50°	91.7	25.6
50°-60°	77.2	21.6
60°-70°	22.4	6.3
70°-80°	5.7	1.6
80°-90°	2.0	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°	78.5	21.9
0°-40°	159.0	44.4
0°-60°	327.9	91.6
0°-90°	358.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	358.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	36	36	36	36	36	
5°	70	54	35	26	25	9
15°	228	129	28	23	24	66
25°	389	203	21	22	24	180
35°	463	247	13	20	23	288
45°	446	211	10	19	24	335
55°	350	94	8	18	23	295
65°	13	3	6	14	20	64
75°	2	2	3	9	13	2
85°	0	1	1	3	4	0
90°	0	0	0	0	0	

TEST NUMBER: P1323533

CATALOG NUMBER: LDSQA3D02R609030D2WDE010 3LSQCA45R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
2.5°	47.8	47.5	47.5	47.2	46.9	46.5	45.6	45.2	43.3	39.4	35.5
5°	69.6	69.3	68.3	68.0	66.4	64.1	61.8	59.6	54.3	43.3	34.8
7.5°	100.9	101.5	100.9	97.3	95.0	91.4	84.6	79.7	69.3	47.2	33.5
10°	142.2	142.2	141.2	135.7	130.8	124.0	115.2	106.7	87.5	50.8	32.2
12.5°	187.1	188.1	183.2	178.7	169.9	161.4	149.4	136.7	108.4	53.7	30.6
15°	228.1	227.5	222.6	216.7	207.6	195.9	183.2	166.9	128.9	55.6	28.3
17.5°	264.6	263.3	259.0	252.5	241.5	228.4	212.2	194.6	150.0	57.3	26.7
20°	297.8	293.2	288.3	281.5	270.8	257.1	240.2	220.3	169.9	57.3	24.7
22.5°	339.7	335.2	328.4	317.9	303.6	286.7	266.8	244.4	187.4	56.0	22.8
25°	388.6	385.0	373.3	359.9	341.4	321.2	298.1	267.8	203.4	54.0	20.8
27.5°	431.2	427.3	415.6	396.0	373.6	349.5	325.1	294.2	217.4	50.4	18.5
30°	462.1	457.2	448.1	429.6	402.2	372.9	344.0	314.4	231.4	46.2	16.6
32.5°	470.2	469.6	462.8	449.1	424.7	392.5	358.0	325.8	242.4	40.7	15.0
35°	462.8	463.7	462.4	455.6	437.7	406.1	367.1	331.9	246.7	35.1	13.3
37.5°	449.1	450.4	452.7	453.6	442.3	414.3	372.3	334.5	245.7	29.6	12.4
40°	439.7	439.0	439.0	445.5	443.2	417.8	372.9	332.6	239.8	23.8	11.4
42.5°	440.6	433.5	428.6	439.0	442.3	416.2	368.7	327.4	227.1	18.2	10.4
45°	445.5	430.2	421.8	435.1	440.3	410.7	360.9	319.6	210.9	12.7	10.1
47.5°	427.3	417.2	415.9	434.8	436.7	401.3	348.9	307.2	195.3	8.8	9.4
50°	397.0	395.4	402.2	421.8	422.1	385.6	335.2	284.7	171.8	6.2	9.1
52.5°	387.6	388.6	394.7	404.8	395.4	359.3	310.5	265.9	142.2	4.9	8.8
55°	350.2	351.8	357.6	363.8	357.0	327.1	280.5	243.1	94.0	4.6	8.1
57.5°	263.6	267.8	278.6	284.1	284.7	266.5	254.2	209.6	53.0	4.6	7.8
60°	242.1	236.6	231.7	220.3	209.9	207.6	208.9	157.2	19.5	4.2	7.5
62.5°	126.6	124.0	131.5	136.4	137.7	144.8	135.4	83.0	4.2	4.2	6.8
65°	13.0	13.0	15.9	21.2	35.1	46.9	44.6	24.1	2.9	3.9	6.2
67.5°	3.9	3.9	3.9	4.6	5.9	5.9	4.9	3.6	2.9	3.6	5.5
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.6	2.3	2.6	3.3	4.9
72.5°	2.0	2.0	2.0	2.0	2.3	2.3	2.3	2.3	2.3	2.9	4.2
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.3	3.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.6	1.6	2.0	2.6
80°	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.6	2.3
82.5°	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.3	1.6
85°	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.3
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1323533

CATALOG NUMBER: LDSQA3D02R609030D2WDE010 3LSQCA45R 1MW

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	35.5	35.5	35.5	35.5
2.5°	32.2	29.9	28.6	28.0
5°	29.3	26.4	25.4	25.1
7.5°	26.7	24.7	24.4	24.4
10°	25.1	23.8	24.1	24.1
12.5°	24.1	23.8	24.1	24.4
15°	23.1	23.4	24.1	24.1
17.5°	22.5	23.1	23.8	24.1
20°	21.5	22.8	23.8	23.8
22.5°	20.8	22.5	23.4	23.8
25°	20.2	21.8	23.1	23.8
27.5°	19.2	21.5	23.1	23.4
30°	18.2	20.8	22.8	23.8
32.5°	17.2	20.5	22.8	23.4
35°	16.6	20.2	22.8	23.4
37.5°	15.9	19.9	22.8	23.8
40°	15.6	19.5	22.5	23.8
42.5°	15.0	19.5	22.5	23.8
45°	14.6	19.2	22.5	23.8
47.5°	14.3	18.9	22.5	23.8
50°	13.7	18.5	22.1	23.8
52.5°	13.3	18.2	22.1	23.8
55°	12.7	17.9	21.8	23.4
57.5°	12.4	17.2	21.5	22.8
60°	11.7	16.6	20.8	22.1
62.5°	10.7	15.6	19.9	21.5
65°	9.8	14.3	18.9	20.2
67.5°	8.8	13.3	17.6	18.9
70°	7.8	12.0	15.9	17.2
72.5°	6.8	10.4	14.3	15.3
75°	5.9	8.8	12.0	13.3
77.5°	4.6	7.2	10.1	11.1
80°	3.6	5.9	7.8	8.5
82.5°	2.9	4.2	5.9	6.2
85°	2.0	2.6	3.6	4.2
87.5°	1.0	1.3	1.6	2.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)