

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: P1311053

Luminaire Tested: LDSQA3D02R609040DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R609040DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

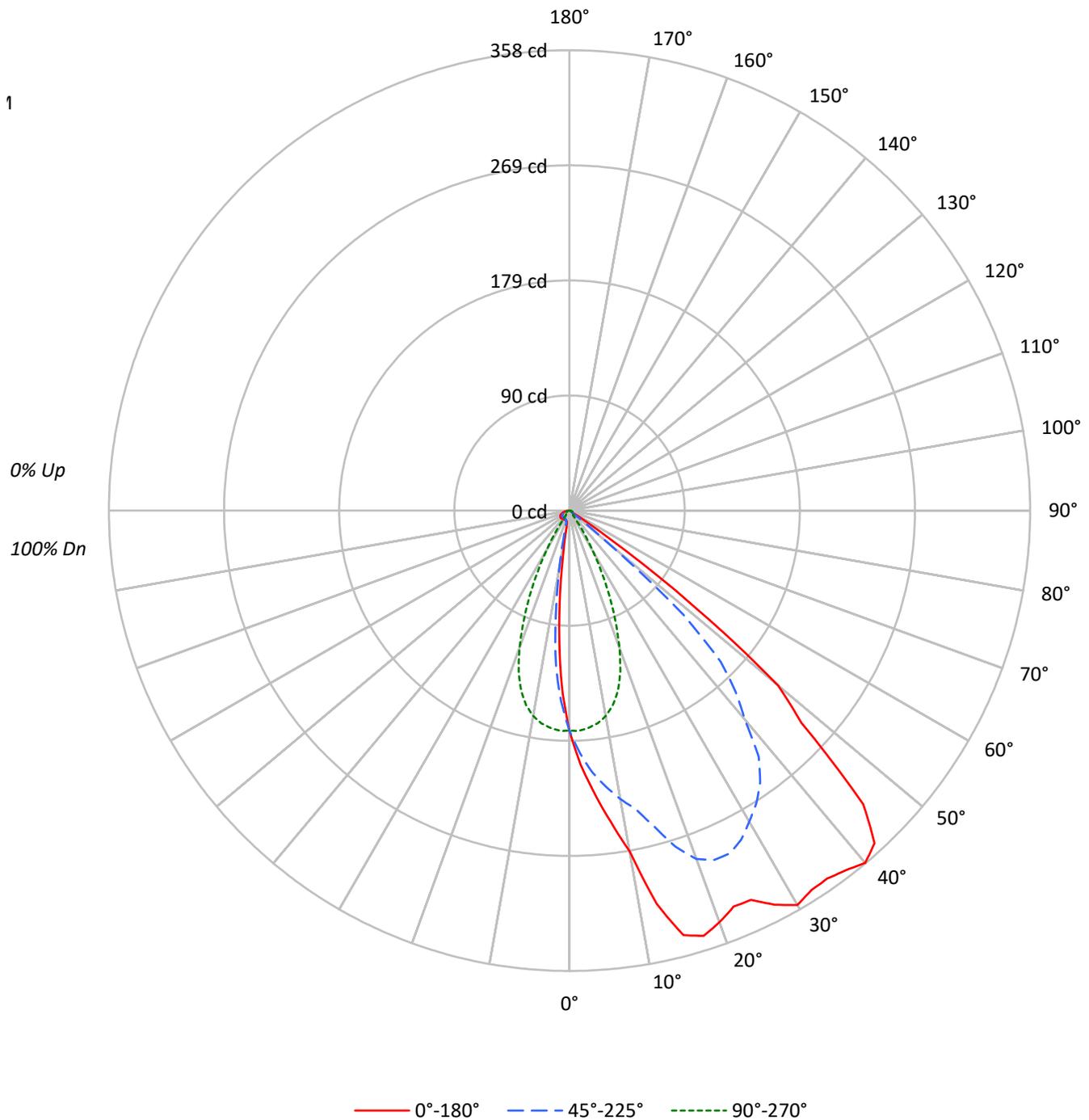
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 278.0 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	29467	29467	29467	29467	29467
5°	38068	35354	29321	20867	15922
10°	47043	39838	28365	7887	2343
15°	60924	45341	25871	1729	1551
20°	62442	52820	20820	1448	1485
25°	63450	55906	13967	1387	1501
30°	70418	55543	7199	1412	1571
35°	73439	54306	1976	1493	1703
40°	80373	47617	944	1596	1888
45°	78621	40455	950	1729	2119
50°	56667	9994	1045	1902	2331
55°	10869	631	1111	2042	2612
60°	551	620	1068	2170	2790
65°	530	652	1060	2241	2975
70°	504	655	1057	2266	3021
75°	532	665	1065	2262	3127
80°	298	793	992	2380	3075
85°	593	593	988	1976	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 78621 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	5.4
10°-20°	41.1	14.8
20°-30°	63.2	22.7
30°-40°	74.2	26.7
40°-50°	59.5	21.4
50°-60°	18.5	6.6
60°-70°	3.5	1.3
70°-80°	2.3	0.8
80°-90°	0.8	0.3
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°	119.2	42.9
0°-40°	193.4	69.6
0°-60°	271.4	97.6
0°-90°	278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	278.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	171	171	171	171	171	
5°	220	204	170	121	92	22
15°	342	254	145	10	9	94
25°	334	294	74	7	8	158
35°	349	258	9	7	8	221
45°	323	166	4	7	9	231
55°	36	2	4	7	9	57
65°	1	2	3	6	7	1
75°	1	1	2	3	5	1
85°	0	0	0	1	2	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1
2.5°	197.4	195.3	195.3	194.5	193.7	194.0	191.9	192.7	190.6	189.0	187.7
5°	220.2	217.6	217.3	216.0	214.7	213.6	211.0	209.4	206.3	204.5	200.5
7.5°	243.8	241.7	240.4	238.8	236.5	233.9	229.4	226.5	221.5	216.5	211.5
10°	269.0	267.2	264.3	262.5	255.9	251.7	245.7	241.7	234.4	227.8	220.2
12.5°	313.1	312.1	306.6	302.9	293.4	285.0	271.9	261.4	248.3	237.5	227.3
15°	341.7	340.4	337.5	334.1	328.1	318.6	306.8	292.1	273.8	254.3	237.0
17.5°	346.7	347.0	345.1	344.4	340.4	334.4	324.9	313.9	295.5	274.0	250.4
20°	340.7	342.8	342.3	343.8	344.6	342.3	336.0	325.2	309.2	288.2	261.7
22.5°	333.3	335.2	334.6	337.5	342.0	344.4	342.3	333.6	317.3	294.0	268.0
25°	333.9	335.2	331.2	333.1	338.8	344.6	344.9	337.3	319.7	294.2	267.5
27.5°	345.4	341.5	332.5	331.8	338.8	346.2	346.7	337.3	316.3	288.7	262.2
30°	354.1	351.2	341.2	339.9	346.7	351.7	349.1	334.4	308.1	279.3	254.6
32.5°	349.9	350.4	346.2	350.4	359.3	361.4	350.4	327.6	296.8	270.1	245.7
35°	349.3	351.4	353.8	360.4	366.4	361.4	343.8	314.7	284.8	258.3	231.8
37.5°	352.5	355.9	359.3	365.1	365.1	352.2	326.5	298.4	270.3	241.5	202.9
40°	357.5	359.6	360.6	360.1	353.0	334.1	306.8	278.7	252.0	211.8	183.7
42.5°	350.9	350.7	349.6	345.1	332.0	307.3	281.9	259.1	216.8	191.1	159.1
45°	322.8	322.8	319.9	312.9	300.8	280.3	257.7	224.4	197.6	166.1	118.1
47.5°	244.4	242.5	245.7	249.9	249.9	248.0	227.6	198.7	171.4	119.9	37.8
50°	211.5	208.7	204.7	205.5	205.0	207.1	194.0	172.2	126.8	37.3	2.6
52.5°	119.7	124.9	137.8	155.9	164.0	166.9	158.8	131.0	42.8	2.4	2.1
55°	36.2	37.3	42.3	52.0	70.6	90.3	91.6	42.5	2.9	2.1	2.1
57.5°	1.6	1.6	2.1	3.1	7.3	11.0	11.8	2.6	1.8	2.1	2.1
60°	1.6	1.6	1.6	1.6	1.6	1.6	1.8	1.8	1.8	1.8	2.1
62.5°	1.3	1.3	1.6	1.6	1.6	1.6	1.6	1.6	1.8	1.8	1.8
65°	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.6	1.6	1.6	1.8
67.5°	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.6	1.6	1.6
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3
72.5°	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.3
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0
77.5°	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
87.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1
2.5°	185.8	183.7	181.4	171.4	161.7	148.6	139.6	137.0
5°	197.1	193.7	188.5	169.6	146.7	120.7	99.7	92.1
7.5°	206.6	201.3	194.0	166.9	128.9	81.9	52.8	44.6
10°	213.4	206.8	197.4	162.2	105.2	45.1	17.8	13.4
12.5°	219.2	210.5	199.2	155.1	76.6	18.4	9.2	9.2
15°	223.1	212.6	200.0	145.1	49.6	9.7	8.7	8.7
17.5°	228.6	215.0	200.0	131.2	27.0	8.4	8.4	8.4
20°	237.5	217.3	197.1	113.6	15.0	7.9	8.1	8.1
22.5°	242.3	220.7	193.4	93.2	9.4	7.6	7.9	7.9
25°	243.3	220.2	185.6	73.5	7.6	7.3	7.6	7.9
27.5°	239.6	216.5	175.1	53.5	6.8	7.1	7.6	7.9
30°	233.1	207.6	158.3	36.2	6.3	7.1	7.6	7.9
32.5°	220.7	186.1	138.6	21.8	6.0	7.1	7.6	8.1
35°	193.2	163.5	116.0	9.4	5.8	7.1	7.9	8.1
37.5°	173.2	140.9	89.8	4.7	5.8	7.1	7.9	8.4
40°	151.2	113.4	41.5	4.2	5.8	7.1	7.9	8.4
42.5°	115.2	52.5	5.0	4.2	5.5	7.1	8.1	8.4
45°	42.0	5.5	2.6	3.9	5.5	7.1	8.1	8.7
47.5°	3.1	2.1	2.4	3.9	5.5	7.1	8.1	8.7
50°	2.1	2.1	2.4	3.9	5.5	7.1	8.1	8.7
52.5°	2.1	2.4	2.4	3.7	5.2	7.1	8.1	8.7
55°	2.1	2.4	2.4	3.7	5.2	6.8	8.1	8.7
57.5°	2.1	2.1	2.4	3.4	5.0	6.6	8.1	8.4
60°	2.1	2.1	2.4	3.1	4.7	6.3	7.6	8.1
62.5°	2.1	2.1	2.1	2.9	4.5	6.0	7.3	7.9
65°	1.8	1.8	2.1	2.6	3.9	5.5	6.8	7.3
67.5°	1.6	1.8	1.8	2.4	3.7	5.0	6.3	6.8
70°	1.6	1.6	1.6	2.1	3.1	4.5	5.8	6.0
72.5°	1.3	1.3	1.6	1.8	2.9	3.9	5.2	5.5
75°	1.0	1.3	1.3	1.6	2.4	3.4	4.5	4.7
77.5°	1.0	1.0	1.0	1.3	2.1	2.9	3.7	3.9
80°	0.8	0.8	0.8	1.0	1.6	2.4	2.9	3.1
82.5°	0.5	0.8	0.8	0.8	1.3	1.6	2.1	2.4
85°	0.5	0.5	0.5	0.5	0.8	1.0	1.3	1.6
87.5°	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)