

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: P1307341

Luminaire Tested: LDSQA3D17R409024DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R409024DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

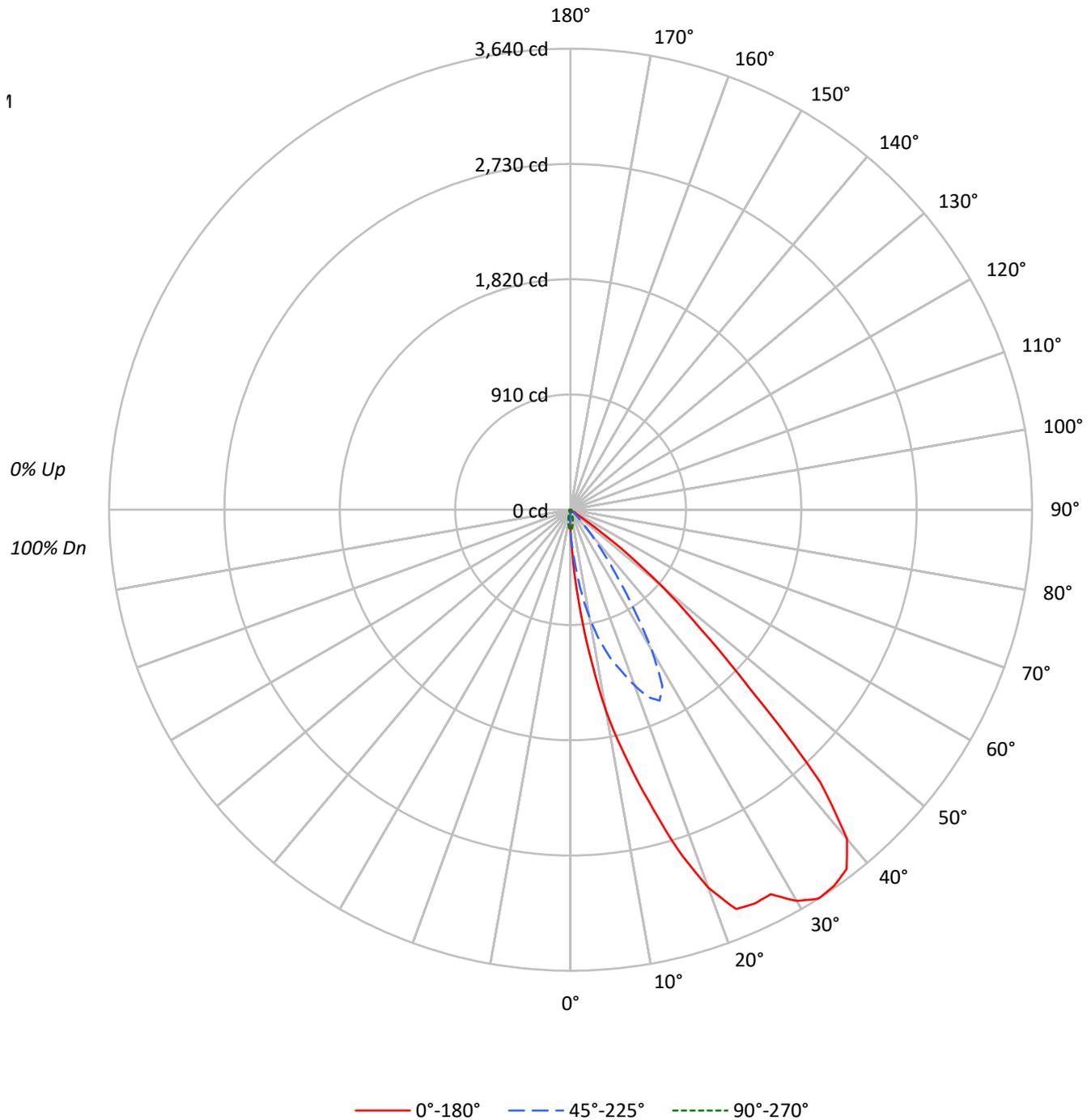
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1343.0 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1307341
CATALOG NUMBER: LDSQA3D17R409024DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1307341

CATALOG NUMBER: LDSQA3D17R409024DE010 3LSQCA30R 1MW

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
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91				91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82				82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74				74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67				67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60				60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54				54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49				49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44				44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40				40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37				37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	27366	27366	27366	27366	27366
5°	123437	78695	24532	9422	6863
10°	283060	152058	17278	3375	2588
15°	424795	215741	10734	1819	1623
20°	581661	270441	6250	1045	1246
25°	652038	315995	3230	855	1083
30°	709234	255065	1352	676	1134
35°	762222	130541	484	946	1430
40°	762502	52068	247	1012	1776
45°	486851	17415	560	1656	2484
50°	252739	2117	911	2117	3054
55°	21799	330	1021	2732	3753
60°	792	379	1171	3134	4306
65°	937	448	1834	3219	4646
70°	554	554	2266	3424	4582
75°	732	732	2262	3793	5257
80°	1091	1091	3372	3372	4463
85°	0	2174	6719	4545	4545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 486851 cd/sqm



TEST NUMBER: P1307341

CATALOG NUMBER: LDSQA3D17R409024DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	2.3
10°-20°	181.8	13.5
20°-30°	398.1	29.6
30°-40°	453.5	33.8
40°-50°	239.3	17.8
50°-60°	28.2	2.1
60°-70°	5.1	0.4
70°-80°	4.1	0.3
80°-90°	1.9	0.1
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°	610.8	45.5
0°-40°	1064.3	79.3
0°-60°	1331.9	99.2
0°-90°	1343.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1343.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	159	159	159	159	159	
5°	714	455	142	54	40	96
15°	2382	1210	60	10	9	702
25°	3431	1663	17	4	6	1581
35°	3625	621	2	4	7	2247
45°	1999	72	2	7	10	1612
55°	73	1	3	9	12	226
65°	2	1	4	8	11	2
75°	1	1	3	6	8	1
85°	0	1	3	2	2	0
90°	0	0	0	0	0	



TEST NUMBER: P1307341

CATALOG NUMBER: LDSQA3D17R409024DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9
2.5°	354.1	354.1	353.0	342.8	341.7	340.5	322.4	317.8	296.3	281.5	214.5
5°	714.0	698.1	696.9	678.8	648.1	607.3	581.2	539.2	498.3	455.2	264.5
7.5°	1137.3	1151.0	1113.5	1094.2	1026.1	977.3	902.4	836.6	744.6	658.3	305.3
10°	1618.6	1594.8	1557.3	1519.9	1446.1	1358.7	1247.5	1130.5	997.7	869.5	328.0
12.5°	1994.3	1963.7	1941.0	1889.9	1817.3	1704.9	1572.1	1415.4	1239.5	1054.5	326.9
15°	2382.5	2351.9	2300.8	2255.4	2147.6	2021.6	1877.4	1670.8	1455.2	1210.0	303.1
17.5°	2809.3	2769.6	2712.8	2643.6	2539.2	2399.6	2216.8	1964.8	1659.5	1337.1	259.9
20°	3173.7	3149.8	3093.1	3011.4	2909.2	2773.0	2561.9	2282.6	1910.3	1475.6	206.6
22.5°	3412.0	3390.5	3351.9	3280.4	3203.2	3057.9	2864.9	2558.5	2120.3	1601.6	156.6
25°	3431.3	3422.3	3412.0	3388.2	3341.7	3238.4	3050.0	2719.7	2250.9	1662.9	115.8
27.5°	3421.1	3417.7	3415.5	3403.0	3372.3	3270.2	3077.2	2743.5	2233.8	1567.5	85.1
30°	3566.4	3556.2	3550.5	3509.7	3429.1	3271.3	3019.3	2615.2	1985.3	1282.6	61.3
32.5°	3640.2	3637.9	3632.3	3592.5	3479.0	3273.6	2921.7	2305.3	1574.4	926.2	42.0
35°	3625.4	3614.1	3593.7	3519.9	3362.1	3104.4	2606.1	1841.1	1136.2	620.9	27.2
37.5°	3575.5	3549.4	3509.7	3376.9	3166.9	2815.0	2113.5	1355.3	773.0	401.8	15.9
40°	3391.6	3356.4	3294.0	3131.7	2855.9	2320.1	1563.0	916.0	507.4	231.6	4.5
42.5°	2916.0	2870.6	2825.2	2643.6	2328.0	1729.9	1028.4	566.4	289.4	127.1	1.1
45°	1998.9	1942.1	1879.7	1748.0	1494.9	1047.7	611.8	319.0	149.8	71.5	1.1
47.5°	1388.2	1362.1	1253.1	1085.1	832.0	555.1	316.7	156.6	79.5	32.9	1.1
50°	943.3	913.7	786.6	624.3	442.7	265.6	145.3	78.3	35.2	7.9	1.1
52.5°	494.9	458.6	378.0	288.3	179.3	111.2	63.6	34.1	10.2	1.1	1.1
55°	72.6	67.0	54.5	44.3	39.7	30.6	18.2	7.9	1.1	1.1	2.3
57.5°	2.3	2.3	2.3	2.3	3.4	3.4	2.3	1.1	1.1	1.1	2.3
60°	2.3	2.3	2.3	2.3	2.3	1.1	1.1	1.1	1.1	1.1	2.3
62.5°	2.3	2.3	2.3	2.3	2.3	1.1	1.1	1.1	1.1	1.1	2.3
65°	2.3	2.3	2.3	2.3	2.3	1.1	1.1	1.1	1.1	1.1	2.3
67.5°	2.3	2.3	2.3	2.3	1.1	1.1	1.1	1.1	1.1	2.3	3.4
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.4
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	3.4
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.4
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	3.4
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3
82.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	3.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.3
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: P1307341

CATALOG NUMBER: LDSQA3D17R409024DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	158.9	158.9	158.9	158.9	158.9
2.5°	156.6	115.8	89.7	77.2	76.1
5°	141.9	82.9	54.5	42.0	39.7
7.5°	120.3	57.9	31.8	22.7	21.6
10°	98.8	39.7	19.3	15.9	14.8
12.5°	78.3	26.1	13.6	12.5	11.4
15°	60.2	17.0	10.2	9.1	9.1
17.5°	45.4	11.4	7.9	7.9	7.9
20°	34.1	7.9	5.7	6.8	6.8
22.5°	23.8	5.7	4.5	5.7	5.7
25°	17.0	4.5	4.5	5.7	5.7
27.5°	11.4	3.4	3.4	4.5	5.7
30°	6.8	2.3	3.4	4.5	5.7
32.5°	3.4	2.3	3.4	5.7	5.7
35°	2.3	3.4	4.5	5.7	6.8
37.5°	1.1	3.4	4.5	6.8	6.8
40°	1.1	3.4	4.5	6.8	7.9
42.5°	2.3	4.5	5.7	7.9	9.1
45°	2.3	4.5	6.8	9.1	10.2
47.5°	2.3	4.5	7.9	10.2	10.2
50°	3.4	5.7	7.9	10.2	11.4
52.5°	3.4	5.7	7.9	11.4	12.5
55°	3.4	5.7	9.1	11.4	12.5
57.5°	3.4	6.8	9.1	11.4	12.5
60°	3.4	5.7	9.1	11.4	12.5
62.5°	4.5	5.7	7.9	11.4	11.4
65°	4.5	5.7	7.9	11.4	11.4
67.5°	4.5	5.7	7.9	10.2	10.2
70°	4.5	5.7	6.8	9.1	9.1
72.5°	4.5	5.7	6.8	7.9	9.1
75°	3.4	4.5	5.7	6.8	7.9
77.5°	3.4	4.5	4.5	6.8	6.8
80°	3.4	3.4	3.4	4.5	4.5
82.5°	3.4	3.4	2.3	3.4	3.4
85°	3.4	2.3	2.3	2.3	2.3
87.5°	2.3	2.3	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)