

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: P1317637

Luminaire Tested: LDSQA3D17R359827DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R359827DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

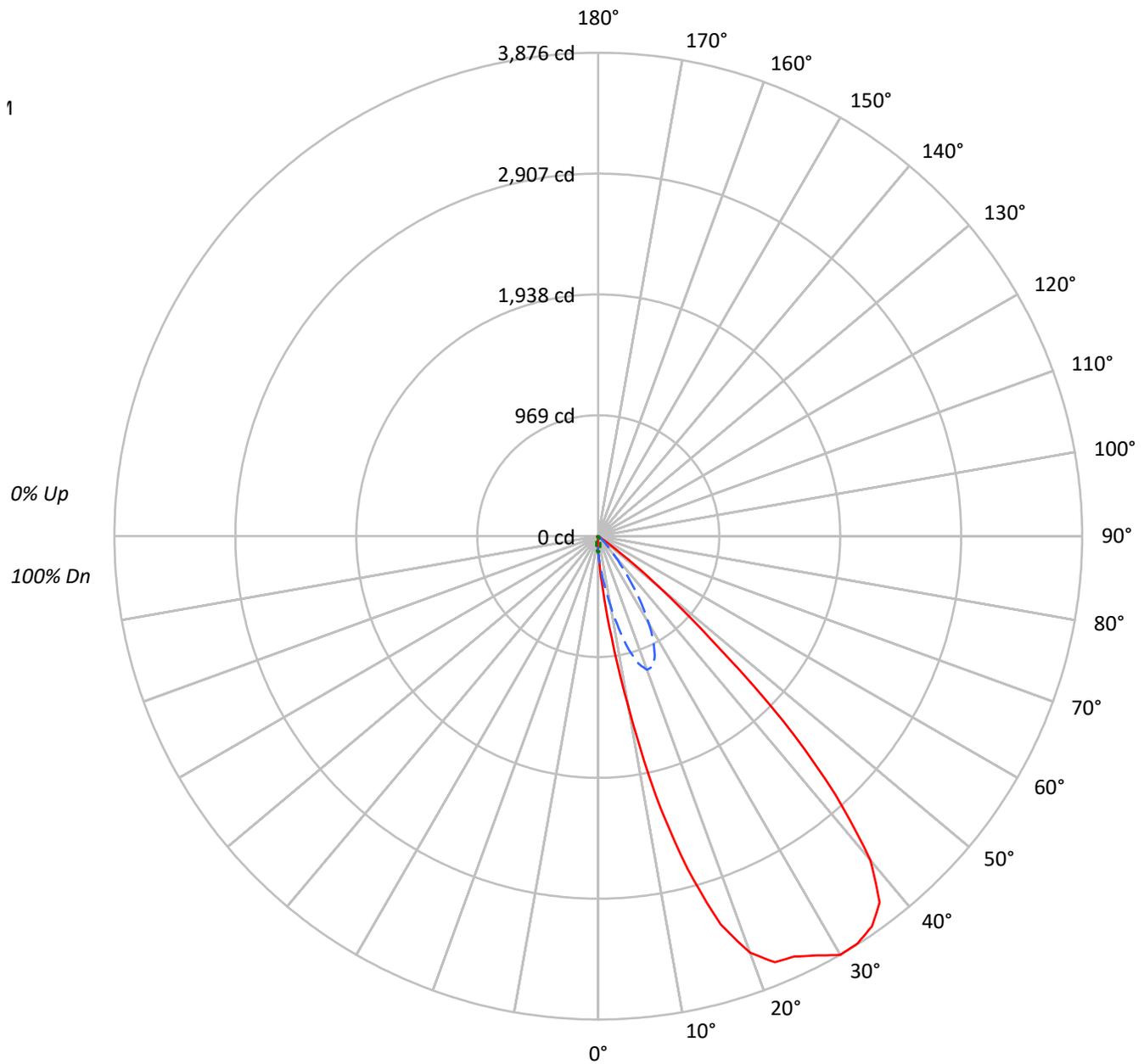
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1219.1 lumens
Efficiency: N/A
Efficacy: 59.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (A_{in}): 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: P1317637
CATALOG NUMBER: LDSQA3D17R359827DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1317637

CATALOG NUMBER: LDSQA3D17R359827DE010 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	98	96	96	94	93	91			91	
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83			83	
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74			74	
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67			67	
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61			61	
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55			55	
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49			49	
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45			45	
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41			41	
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37			37	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22044	22044	22044	22044	22044
5°	75099	48804	20625	8696	6431
10°	241683	98929	16264	3253	2099
15°	492441	167796	11518	1177	785
20°	651178	208971	7423	403	403
25°	706576	203158	4162	209	418
30°	770763	161896	1750	219	438
35°	803136	100770	463	231	463
40°	762142	44042	247	495	742
45°	508772	17585	268	804	1340
50°	170645	2920	589	1179	1768
55°	9518	330	661	1651	2312
60°	758	379	1137	1894	2652
65°	897	448	1345	2241	3138
70°	554	554	1662	2769	3323
75°	732	732	2196	2928	3660
80°	0	1091	3273	3273	3273
85°	0	2174	6521	2174	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 508772 cd/sqm



TEST NUMBER: P1317637

CATALOG NUMBER: LDSQA3D17R359827DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.2	1.8
10°-20°	175.1	14.4
20°-30°	369.5	30.3
30°-40°	419.3	34.4
40°-50°	206.4	16.9
50°-60°	17.9	1.5
60°-70°	3.7	0.3
70°-80°	3.4	0.3
80°-90°	1.7	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°	566.8	46.5
0°-40°	986.1	80.9
0°-60°	1210.3	99.3
0°-90°	1219.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1219.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	128	128	128	128	128	
5°	434	282	119	50	37	72
15°	2762	941	65	7	4	785
25°	3718	1069	22	1	2	1730
35°	3820	479	2	1	2	2354
45°	2089	72	1	3	6	1543
55°	32	1	2	6	8	124
65°	2	1	3	6	8	2
75°	1	1	3	4	6	1
85°	0	1	3	1	2	0
90°	0	0	0	0	0	



TEST NUMBER: P1317637

CATALOG NUMBER: LDSQA3D17R359827DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0
2.5°	222.1	227.6	225.4	224.3	223.2	218.9	209.0	207.9	198.1	191.5	158.7
5°	434.4	425.7	427.9	415.8	400.5	378.6	364.4	333.7	308.6	282.3	184.9
7.5°	818.5	806.5	783.5	748.5	712.4	665.3	594.2	537.3	471.6	409.2	205.7
10°	1382.0	1375.5	1345.9	1256.2	1177.4	1051.6	933.4	808.7	686.1	565.7	219.9
12.5°	2134.9	2090.0	2036.4	1917.1	1761.7	1604.2	1371.1	1155.5	959.7	758.3	221.0
15°	2761.9	2733.4	2657.9	2502.6	2315.4	2087.8	1811.0	1521.0	1225.6	941.1	210.1
17.5°	3266.3	3222.6	3125.2	2973.1	2757.5	2462.1	2138.2	1784.7	1424.7	1071.3	191.5
20°	3553.0	3530.1	3455.6	3303.5	3068.3	2745.5	2376.7	1965.3	1549.5	1140.2	167.4
22.5°	3697.5	3681.1	3626.3	3504.9	3284.9	2959.9	2537.6	2059.4	1585.6	1132.5	142.3
25°	3718.3	3713.9	3666.8	3574.9	3391.1	3069.4	2607.6	2076.9	1556.0	1069.1	118.2
27.5°	3790.5	3775.2	3719.4	3627.4	3442.5	3088.0	2583.5	2016.7	1460.8	957.5	98.5
30°	3875.8	3864.9	3809.1	3713.9	3495.0	3070.5	2498.2	1883.2	1308.7	814.1	73.3
32.5°	3869.3	3864.9	3817.8	3717.2	3457.8	2967.6	2346.1	1683.0	1101.9	642.3	46.0
35°	3820.0	3804.7	3745.6	3590.2	3245.5	2702.8	2057.2	1411.6	872.1	479.3	29.5
37.5°	3701.9	3669.0	3569.4	3305.7	2865.8	2294.6	1675.3	1089.9	617.2	320.6	18.6
40°	3390.0	3348.4	3148.2	2829.7	2369.1	1807.7	1246.4	749.6	407.1	195.9	7.7
42.5°	2812.2	2728.0	2527.7	2200.5	1768.3	1278.1	818.5	485.8	239.6	118.2	2.2
45°	2088.9	2024.4	1814.3	1517.7	1158.8	819.6	495.7	262.6	132.4	72.2	1.1
47.5°	1216.8	1177.4	1069.1	874.3	640.1	430.0	253.9	141.2	77.7	35.0	1.1
50°	636.9	587.6	505.5	383.0	282.3	198.1	123.7	75.5	38.3	10.9	1.1
52.5°	223.2	219.9	200.2	151.0	122.6	88.6	60.2	32.8	10.9	2.2	1.1
55°	31.7	31.7	29.5	32.8	35.0	31.7	20.8	8.8	2.2	1.1	1.1
57.5°	2.2	2.2	2.2	3.3	4.4	4.4	3.3	1.1	1.1	1.1	2.2
60°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
62.5°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
65°	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.3
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.3
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.3
77.5°	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2
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: P1317637

CATALOG NUMBER: LDSQA3D17R359827DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	128.0	128.0	128.0	128.0	128.0
2.5°	126.9	101.8	81.0	71.1	67.8
5°	119.3	76.6	50.3	39.4	37.2
7.5°	106.1	54.7	30.6	21.9	20.8
10°	93.0	39.4	18.6	13.1	12.0
12.5°	77.7	27.4	12.0	7.7	6.6
15°	64.6	18.6	6.6	5.5	4.4
17.5°	51.4	12.0	4.4	3.3	4.4
20°	40.5	7.7	2.2	2.2	2.2
22.5°	30.6	4.4	2.2	2.2	2.2
25°	21.9	2.2	1.1	1.1	2.2
27.5°	15.3	1.1	1.1	1.1	2.2
30°	8.8	1.1	1.1	1.1	2.2
32.5°	4.4	1.1	1.1	2.2	2.2
35°	2.2	1.1	1.1	2.2	2.2
37.5°	1.1	1.1	1.1	2.2	3.3
40°	1.1	1.1	2.2	3.3	3.3
42.5°	1.1	1.1	2.2	3.3	4.4
45°	1.1	2.2	3.3	4.4	5.5
47.5°	2.2	2.2	4.4	5.5	6.6
50°	2.2	3.3	4.4	6.6	6.6
52.5°	2.2	3.3	5.5	6.6	7.7
55°	2.2	4.4	5.5	7.7	7.7
57.5°	3.3	4.4	5.5	7.7	7.7
60°	3.3	4.4	5.5	7.7	7.7
62.5°	3.3	4.4	5.5	7.7	7.7
65°	3.3	4.4	5.5	7.7	7.7
67.5°	3.3	4.4	5.5	6.6	7.7
70°	3.3	4.4	5.5	6.6	6.6
72.5°	4.4	4.4	5.5	6.6	6.6
75°	3.3	4.4	4.4	5.5	5.5
77.5°	3.3	3.3	3.3	4.4	4.4
80°	3.3	3.3	3.3	3.3	3.3
82.5°	3.3	2.2	2.2	3.3	3.3
85°	3.3	2.2	1.1	2.2	2.2
87.5°	2.2	2.2	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)