

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: P1309464

Luminaire Tested: LDSQA3D17R559030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309464
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R559030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

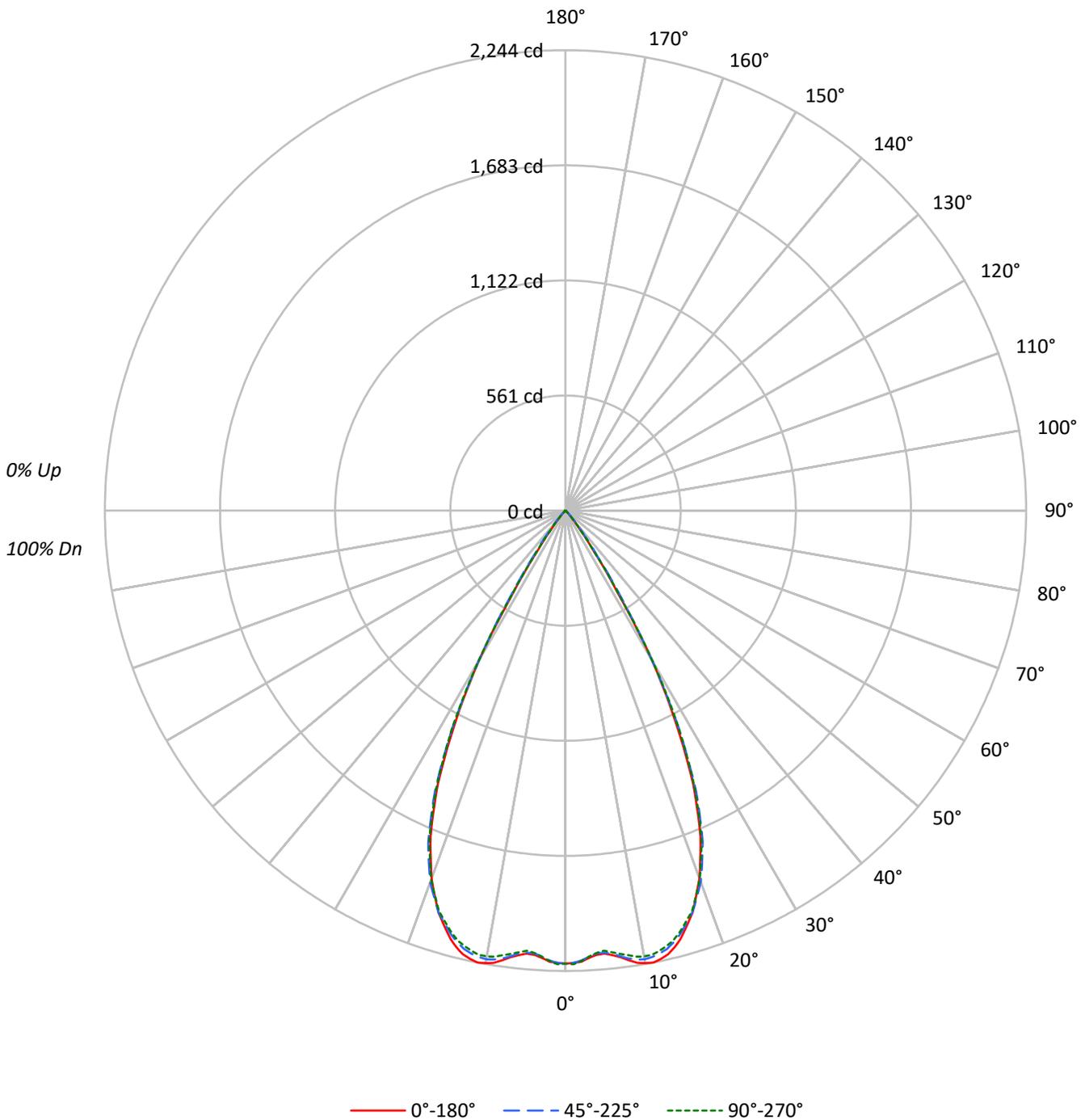
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1693.1 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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 (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: P1309464
CATALOG NUMBER: LDSQA3D17R559030DE010 3LSQCDR1MW

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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	380216	380216	380216
5°	374770	374096	372315
10°	391712	388337	385854
15°	385605	382164	380541
20°	349653	353190	350588
25°	279605	285477	282779
30°	167683	167683	169732
35°	48440	57376	50080
40°	13894	18817	13894
45°	3142	7209	3142
50°	1366	2411	1045
55°	1171	1171	1171
60°	1343	1343	1343
65°	1060	1060	1060
70°	1309	1309	1309
75°	865	865	865
80°	1289	1289	1289
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 7209 cd/sqm



TEST NUMBER: P1309464

CATALOG NUMBER: LDSQA3D17R559030DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.3	12.4
10°-20°	596.6	35.2
20°-30°	657.3	38.8
30°-40°	201.1	11.9
40°-50°	19.9	1.2
50°-60°	3.7	0.2
60°-70°	3.0	0.2
70°-80°	1.6	0.1
80°-90°	0.5	0.0
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°	1463.3	86.4
0°-40°	1664.3	98.3
0°-60°	1687.9	99.7
0°-90°	1693.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1693.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2208	2208	2208	2208	2208	
5°	2168	2168	2164	2158	2154	210
15°	2163	2159	2143	2134	2134	599
25°	1471	1486	1502	1516	1488	648
35°	230	242	273	251	238	189
45°	13	19	30	19	13	15
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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 CATALOG NUMBER: LDSQA3D17R559030DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2207.7	2207.7	2207.7	2207.7	2207.7
1°	2205.1	2206.4	2205.1	2202.6	2211.6
2°	2200.0	2198.7	2194.8	2193.6	2197.4
3°	2183.3	2183.3	2178.1	2175.5	2176.8
4°	2170.4	2170.4	2162.7	2160.1	2161.4
5°	2167.8	2167.8	2163.9	2157.5	2153.6
6°	2178.1	2180.7	2171.7	2165.2	2165.2
7°	2193.6	2194.8	2188.4	2179.4	2176.8
8°	2212.9	2214.2	2203.9	2193.6	2188.4
9°	2232.2	2229.6	2215.4	2205.1	2201.3
10°	2239.9	2238.6	2220.6	2210.3	2206.4
11°	2243.8	2237.3	2216.7	2207.7	2206.4
12°	2234.7	2229.6	2207.7	2198.7	2194.8
13°	2219.3	2211.6	2193.6	2184.5	2179.4
14°	2194.8	2187.1	2170.4	2160.1	2161.4
15°	2162.7	2158.8	2143.4	2134.3	2134.3
17.5°	2055.8	2058.4	2054.5	2050.7	2048.1
20°	1907.8	1918.1	1927.1	1921.9	1912.9
22.5°	1718.5	1736.6	1746.9	1749.4	1732.7
25°	1471.4	1485.5	1502.3	1516.4	1488.1
27.5°	1163.7	1176.6	1192.0	1201.0	1197.2
30°	843.2	844.5	843.2	859.9	853.5
32.5°	468.6	507.2	513.6	525.2	484.0
35°	230.4	242.0	272.9	251.0	238.2
37.5°	110.7	118.4	148.0	121.0	115.9
40°	61.8	66.9	83.7	69.5	61.8
42.5°	29.6	38.6	45.1	39.9	29.6
45°	12.9	19.3	29.6	19.3	12.9
47.5°	5.1	7.7	18.0	7.7	5.1
50°	5.1	3.9	9.0	3.9	3.9
52.5°	3.9	3.9	5.1	3.9	3.9
55°	3.9	3.9	3.9	3.9	3.9
57.5°	3.9	3.9	3.9	3.9	3.9
60°	3.9	3.9	3.9	3.9	3.9
62.5°	2.6	3.9	3.9	3.9	2.6
65°	2.6	2.6	2.6	2.6	2.6
67.5°	2.6	2.6	2.6	2.6	2.6
70°	2.6	2.6	2.6	2.6	2.6
72.5°	1.3	2.6	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1309464
CATALOG NUMBER: LDSQA3D17R559030DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)