

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: P1309463

Luminaire Tested: LDSQA3D17R559030DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309463
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R559030DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

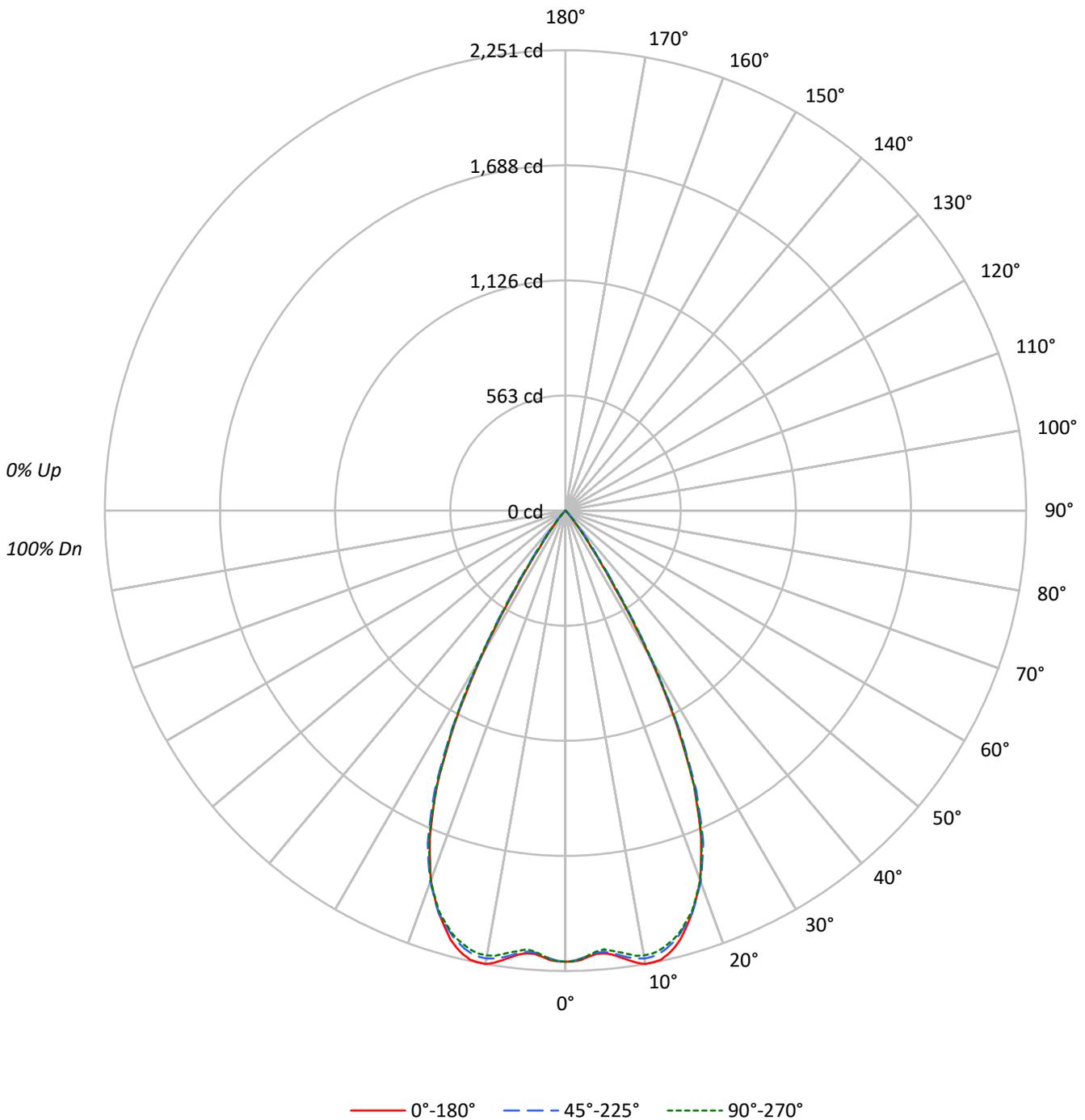
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1677.0 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
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

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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	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	112	109	107	112	109	107	106	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	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	379889	379889	379889
5°	375566	374442	372436
10°	393636	388914	386204
15°	387103	382966	381593
20°	352585	354015	352824
25°	282874	287282	282874
30°	162354	166450	167723
35°	46296	55778	47642
40°	11871	17086	12163
45°	1267	5967	950
50°	0	1045	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 5967 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.4	12.5
10°-20°	597.6	35.6
20°-30°	658.3	39.3
30°-40°	196.5	11.7
40°-50°	15.1	0.9
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1465.3	87.4
0°-40°	1661.8	99.1
0°-60°	1677.0	100.0
0°-90°	1677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1677.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2206	2206	2206	2206	2206	
5°	2172	2168	2166	2157	2154	211
15°	2171	2156	2148	2139	2140	602
25°	1489	1489	1512	1509	1489	652
35°	220	234	265	242	227	182
45°	5	13	24	13	4	10
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2205.8	2205.8	2205.8	2205.8	2205.8
1°	2204.5	2204.5	2202.0	2200.7	2204.5
2°	2198.1	2198.1	2191.7	2190.4	2194.2
3°	2183.9	2182.7	2177.5	2173.6	2176.2
4°	2172.4	2169.8	2165.9	2159.5	2160.8
5°	2172.4	2168.5	2165.9	2156.9	2154.3
6°	2182.7	2180.1	2174.9	2165.9	2163.3
7°	2200.7	2195.5	2190.4	2178.8	2176.2
8°	2220.0	2216.1	2205.8	2194.2	2189.1
9°	2239.3	2230.3	2217.4	2205.8	2204.5
10°	2250.9	2238.0	2223.9	2209.7	2208.4
11°	2249.6	2238.0	2221.3	2208.4	2207.1
12°	2244.5	2227.7	2213.6	2198.1	2199.4
13°	2226.4	2211.0	2196.8	2185.2	2182.7
14°	2202.0	2187.8	2174.9	2163.3	2164.6
15°	2171.1	2155.6	2147.9	2138.9	2140.2
17.5°	2061.6	2057.7	2061.6	2051.3	2055.2
20°	1923.8	1920.0	1931.6	1926.4	1925.1
22.5°	1732.0	1737.1	1759.0	1752.6	1741.0
25°	1488.6	1488.6	1511.8	1509.2	1488.6
27.5°	1171.8	1180.8	1195.0	1201.4	1186.0
30°	816.4	837.0	837.0	849.9	843.4
32.5°	455.8	499.6	509.9	516.4	490.6
35°	220.2	234.4	265.3	242.1	226.6
37.5°	105.6	112.0	142.9	115.9	108.2
40°	52.8	60.5	76.0	63.1	54.1
42.5°	21.9	32.2	39.9	32.2	21.9
45°	5.2	12.9	24.5	12.9	3.9
47.5°	0.0	1.3	11.6	2.6	0.0
50°	0.0	0.0	3.9	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)