

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: P1307374

Luminaire Tested: LDSQA3D17R559024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307374
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: LDSQA3D17R559024DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

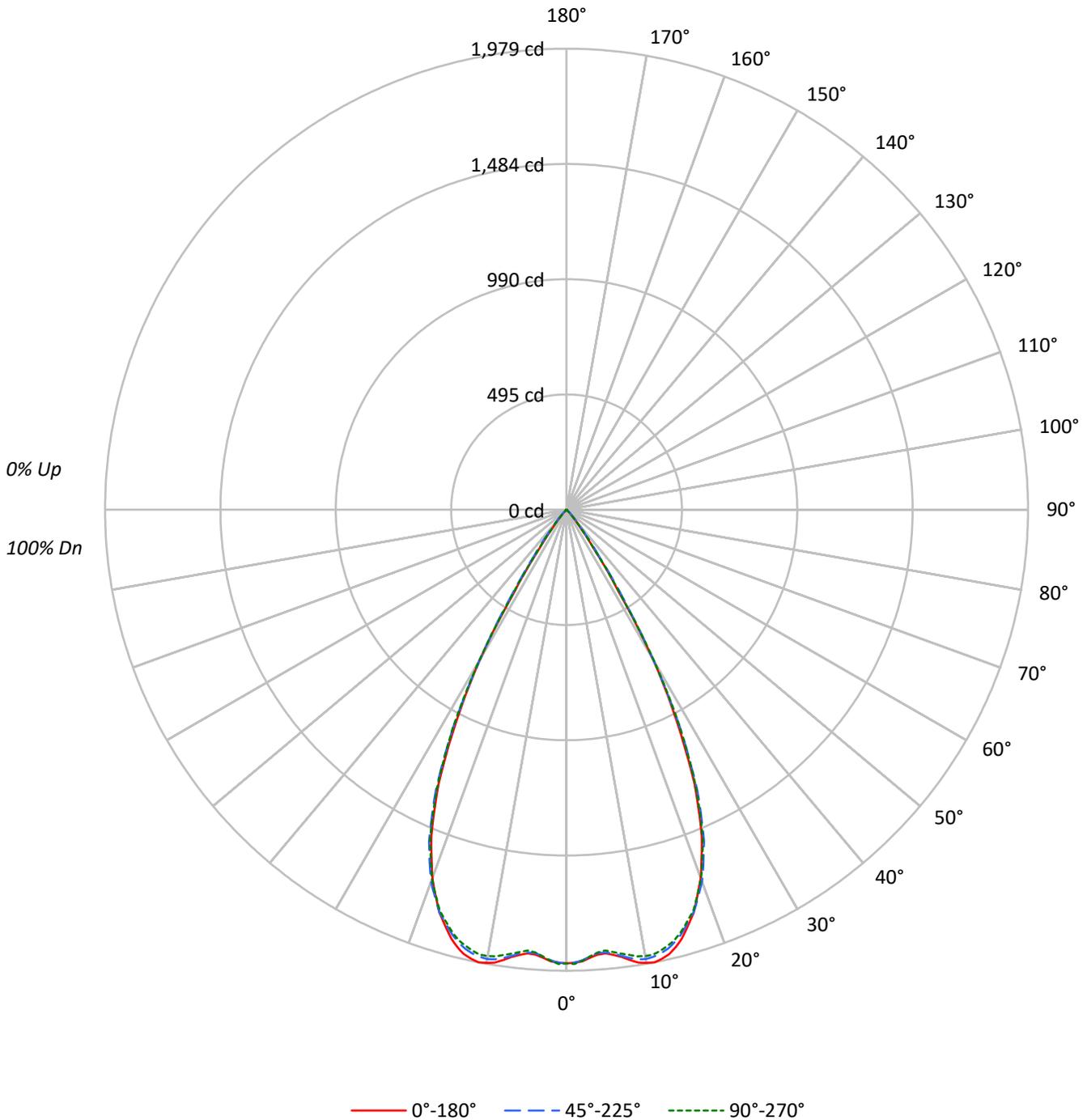
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1493.0 lumens
Efficiency: N/A
Efficacy: 70.4 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

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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	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°	335300	335300	335300
5°	330496	329908	328335
10°	345439	342466	340280
15°	340050	337001	335592
20°	308343	311458	309167
25°	246579	251747	249372
30°	147876	147876	149686
35°	42722	50606	44151
40°	12253	16592	12253
45°	2777	6357	2777
50°	1206	2117	911
55°	1021	1021	1021
60°	1171	1171	1171
65°	937	937	937
70°	1158	1158	1158
75°	732	732	732
80°	1091	1091	1091
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 6357 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.6	12.4
10°-20°	526.2	35.2
20°-30°	579.7	38.8
30°-40°	177.3	11.9
40°-50°	17.5	1.2
50°-60°	3.2	0.2
60°-70°	2.6	0.2
70°-80°	1.4	0.1
80°-90°	0.4	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°	1290.4	86.4
0°-40°	1467.7	98.3
0°-60°	1488.5	99.7
0°-90°	1493.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1493.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1947	1947	1947	1947	1947	
5°	1912	1912	1908	1903	1899	185
15°	1907	1904	1890	1882	1882	529
25°	1298	1310	1325	1337	1312	572
35°	203	213	241	221	210	167
45°	11	17	26	17	11	13
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	1946.9	1946.9	1946.9	1946.9	1946.9
1°	1944.6	1945.8	1944.6	1942.4	1950.3
2°	1940.1	1939.0	1935.6	1934.4	1937.8
3°	1925.3	1925.3	1920.8	1918.5	1919.7
4°	1914.0	1914.0	1907.2	1904.9	1906.0
5°	1911.7	1911.7	1908.3	1902.6	1899.2
6°	1920.8	1923.1	1915.1	1909.4	1909.4
7°	1934.4	1935.6	1929.9	1921.9	1919.7
8°	1951.5	1952.6	1943.5	1934.4	1929.9
9°	1968.5	1966.2	1953.7	1944.6	1941.2
10°	1975.3	1974.2	1958.3	1949.2	1945.8
11°	1978.7	1973.0	1954.9	1946.9	1945.8
12°	1970.7	1966.2	1946.9	1939.0	1935.6
13°	1957.1	1950.3	1934.4	1926.5	1921.9
14°	1935.6	1928.7	1914.0	1904.9	1906.0
15°	1907.2	1903.8	1890.1	1882.2	1882.2
17.5°	1813.0	1815.2	1811.8	1808.4	1806.1
20°	1682.4	1691.5	1699.4	1694.9	1686.9
22.5°	1515.5	1531.4	1540.5	1542.8	1528.0
25°	1297.6	1310.0	1324.8	1337.3	1312.3
27.5°	1026.2	1037.6	1051.2	1059.2	1055.8
30°	743.6	744.7	743.6	758.3	752.7
32.5°	413.2	447.3	453.0	463.2	426.8
35°	203.2	213.4	240.7	221.4	210.0
37.5°	97.6	104.4	130.6	106.7	102.2
40°	54.5	59.0	73.8	61.3	54.5
42.5°	26.1	34.1	39.7	35.2	26.1
45°	11.4	17.0	26.1	17.0	11.4
47.5°	4.5	6.8	15.9	6.8	4.5
50°	4.5	3.4	7.9	3.4	3.4
52.5°	3.4	3.4	4.5	3.4	3.4
55°	3.4	3.4	3.4	3.4	3.4
57.5°	3.4	3.4	3.4	3.4	3.4
60°	3.4	3.4	3.4	3.4	3.4
62.5°	2.3	3.4	3.4	3.4	2.3
65°	2.3	2.3	2.3	2.3	2.3
67.5°	2.3	2.3	2.3	2.3	2.3
70°	2.3	2.3	2.3	2.3	2.3
72.5°	1.1	2.3	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1
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)