

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: P1307199

Luminaire Tested: LDSQA3D13R459024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

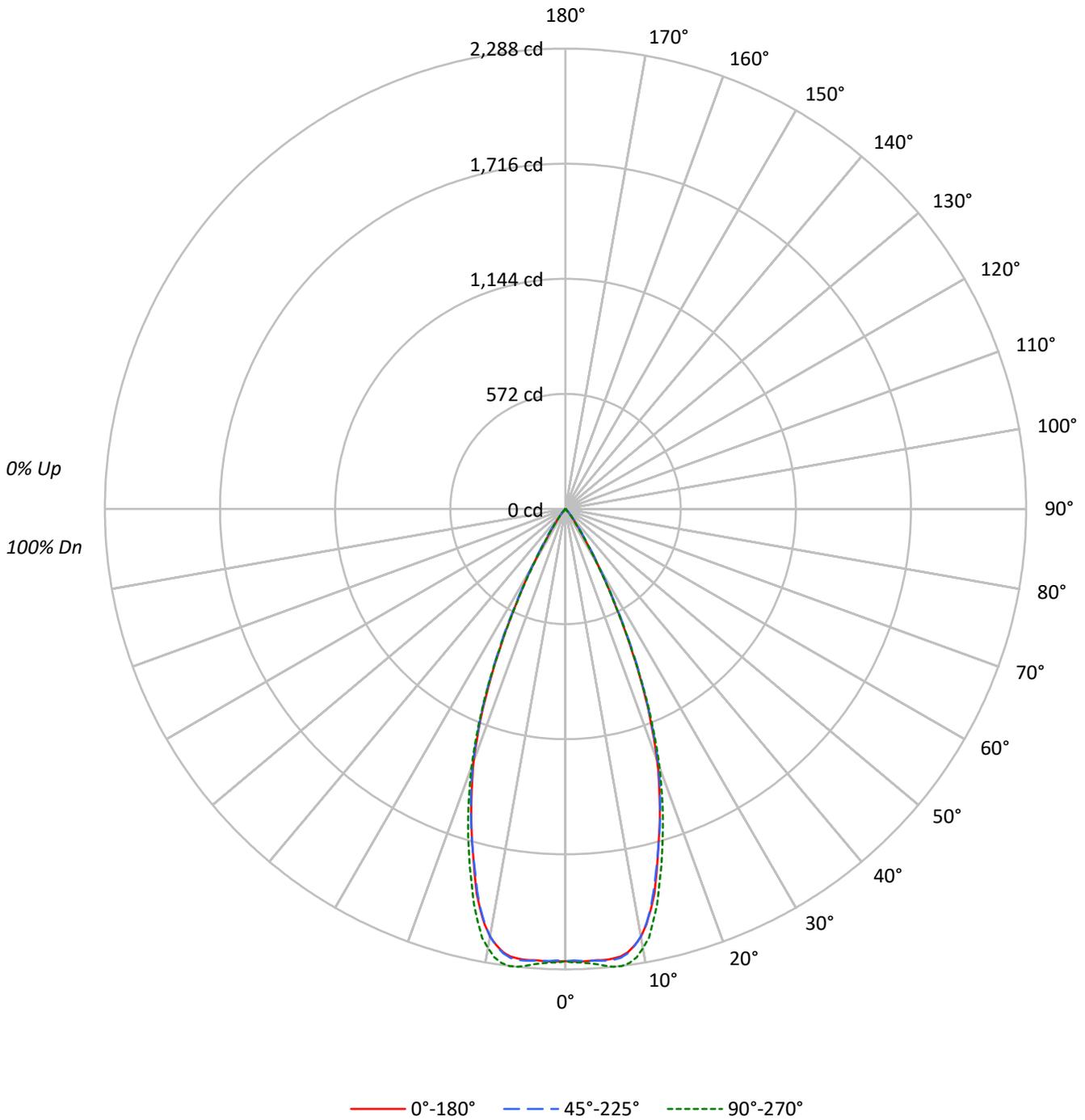
Test Method: LM-79-2019  
Report Number: P1307199  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R459024DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1163.1 lumens  
Efficiency: N/A  
Efficacy: 79.7 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.6  
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: P1307199  
CATALOG NUMBER: LDSQA3D13R459024DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1307199

CATALOG NUMBER: LDSQA3D13R459024DE010 3LSQCDR1MW

**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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	387001	387001	387001
5°	388912	389655	394116
10°	377372	377075	387568
15°	316265	316122	327730
20°	244490	247000	250464
25°	149874	152971	150216
30°	64273	67177	62225
35°	20184	24325	19637
40°	6947	8858	6745
45°	1242	3751	1047
50°	697	1366	697
55°	781	781	781
60°	586	586	586
65°	693	693	693
70°	453	453	453
75°	599	599	599
80°	893	893	893
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3751 cd/sqm



TEST NUMBER: P1307199

CATALOG NUMBER: LDSQA3D13R459024DE010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	213.6	18.4
10°-20°	493.5	42.4
20°-30°	361.3	31.1
30°-40°	79.8	6.9
40°-50°	9.8	0.8
50°-60°	2.3	0.2
60°-70°	1.6	0.1
70°-80°	1.0	0.1
80°-90°	0.1	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°	1068.4	91.9
0°-40°	1148.2	98.7
0°-60°	1160.3	99.8
0°-90°	1163.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1163.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2247	2247	2247	2247	2247	
5°	2250	2248	2254	2270	2280	212
15°	1774	1764	1773	1816	1838	489
25°	789	788	805	799	790	357
35°	96	101	116	101	93	76
45°	5	9	15	9	4	7
55°	3	3	3	3	3	2
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



TEST NUMBER: P1307199

CATALOG NUMBER: LDSQA3D13R459024DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2247.1	2247.1	2247.1	2247.1	2247.1
1°	2248.8	2245.4	2244.5	2250.5	2254.8
2°	2250.5	2246.2	2247.1	2253.1	2255.6
3°	2248.8	2244.5	2248.8	2257.4	2260.8
4°	2247.9	2246.2	2250.5	2262.5	2268.5
5°	2249.6	2247.9	2253.9	2270.2	2279.7
6°	2247.1	2244.5	2253.1	2273.7	2287.4
7°	2241.1	2238.5	2247.9	2272.8	2288.2
8°	2224.8	2219.6	2229.1	2259.9	2278.8
9°	2195.6	2188.8	2198.2	2234.2	2256.5
10°	2157.9	2150.2	2156.2	2191.3	2216.2
11°	2103.9	2093.6	2100.5	2138.2	2170.8
12°	2035.3	2020.7	2029.3	2072.2	2095.3
13°	1960.7	1947.0	1948.7	1987.3	2019.9
14°	1868.1	1850.1	1857.8	1898.1	1923.9
15°	1773.8	1764.4	1773.0	1815.8	1838.1
17.5°	1557.8	1556.9	1564.6	1596.4	1608.4
20°	1334.0	1336.6	1347.7	1364.9	1366.6
22.5°	1069.1	1070.0	1082.0	1094.0	1091.4
25°	788.7	787.9	805.0	799.0	790.5
27.5°	523.0	526.4	541.8	530.7	522.1
30°	323.2	330.1	337.8	324.1	312.9
32.5°	174.9	186.0	197.2	185.2	174.0
35°	96.0	101.2	115.7	101.2	93.4
37.5°	55.7	58.3	67.7	58.3	53.2
40°	30.9	35.2	39.4	35.2	30.0
42.5°	12.9	19.7	24.0	19.7	12.9
45°	5.1	8.6	15.4	8.6	4.3
47.5°	2.6	3.4	9.4	3.4	2.6
50°	2.6	2.6	5.1	2.6	2.6
52.5°	2.6	2.6	2.6	2.6	2.6
55°	2.6	2.6	2.6	2.6	2.6
57.5°	2.6	2.6	2.6	2.6	2.6
60°	1.7	1.7	1.7	2.6	1.7
62.5°	1.7	1.7	1.7	1.7	1.7
65°	1.7	1.7	1.7	1.7	1.7
67.5°	1.7	1.7	1.7	1.7	1.7
70°	0.9	0.9	0.9	1.7	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9
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



TEST NUMBER: P1307199  
CATALOG NUMBER: LDSQA3D13R459024DE010 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)