

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: P1317512

Luminaire Tested: LDSQA3D13R409827DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

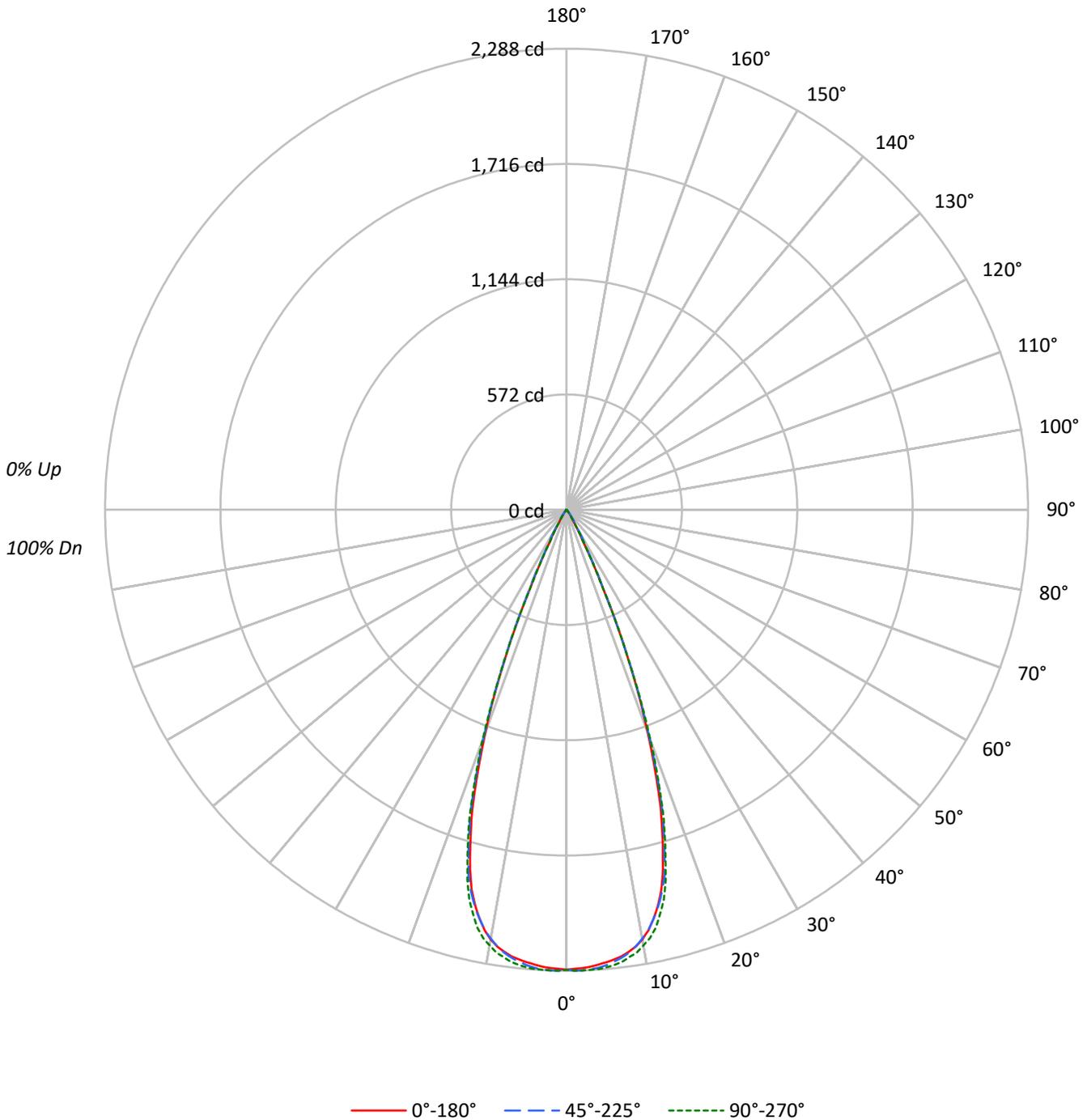
Test Method: LM-79-2019  
Report Number: P1317512  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R409827DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 960.0 lumens  
Efficiency: N/A  
Efficacy: 66.2 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.5  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92		
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89		
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	85		
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82		
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79		
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	76		
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73		
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	71		
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	69		

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

	0°	45°	90°
0°	393167	393167	393167
5°	389759	392214	394081
10°	378666	377949	383860
15°	329423	334719	338820
20°	216192	220407	223266
25°	77075	81578	76695
30°	16804	22710	16943
35°	5403	9377	5256
40°	1664	2878	1529
45°	170	999	170
50°	0	188	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: 999 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	213.5	22.2
10°-20°	497.2	51.8
20°-30°	223.0	23.2
30°-40°	24.1	2.5
40°-50°	2.2	0.2
50°-60°	0.0	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°	933.7	97.3
0°-40°	957.7	99.8
0°-60°	960.0	100.0
0°-90°	960.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	960.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2283	2283	2283	2283	2283	
5°	2254	2261	2269	2272	2280	213
15°	1848	1861	1877	1888	1900	491
25°	406	418	429	437	404	216
35°	26	30	45	29	25	20
45°	1	1	4	1	1	1
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°	2282.9	2282.9	2282.9	2282.9	2282.9
1°	2278.2	2282.9	2287.0	2283.6	2288.3
2°	2276.1	2281.6	2287.6	2284.3	2288.3
3°	2270.7	2277.5	2284.3	2282.2	2286.3
4°	2263.3	2268.7	2278.8	2278.8	2284.9
5°	2254.5	2260.6	2268.7	2272.1	2279.5
6°	2245.0	2248.4	2254.5	2261.3	2271.4
7°	2232.9	2232.9	2240.3	2247.1	2260.6
8°	2216.0	2214.6	2220.0	2228.8	2241.0
9°	2195.0	2190.3	2194.3	2207.2	2225.4
10°	2165.3	2161.2	2161.2	2177.4	2195.0
11°	2126.7	2125.4	2126.1	2141.6	2165.3
12°	2074.7	2076.0	2076.0	2093.6	2122.7
13°	2015.9	2015.2	2021.3	2040.9	2060.5
14°	1944.2	1948.3	1954.4	1971.9	1992.2
15°	1847.6	1861.1	1877.3	1888.1	1900.3
17.5°	1553.5	1567.0	1589.3	1598.1	1600.8
20°	1179.6	1199.3	1202.6	1220.2	1218.2
22.5°	790.9	789.6	792.3	794.3	795.0
25°	405.6	417.8	429.3	436.7	403.6
27.5°	176.4	197.4	212.3	192.7	178.5
30°	84.5	96.0	114.2	96.7	85.2
32.5°	46.0	53.4	72.3	52.7	45.3
35°	25.7	29.7	44.6	29.1	25.0
37.5°	14.9	16.2	24.3	16.2	14.2
40°	7.4	9.5	12.8	9.5	6.8
42.5°	2.7	4.7	6.8	4.7	2.7
45°	0.7	1.4	4.1	1.4	0.7
47.5°	0.0	0.0	2.0	0.0	0.0
50°	0.0	0.0	0.7	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)