

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: P1316798

Luminaire Tested: LDSQA3D17R559740DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

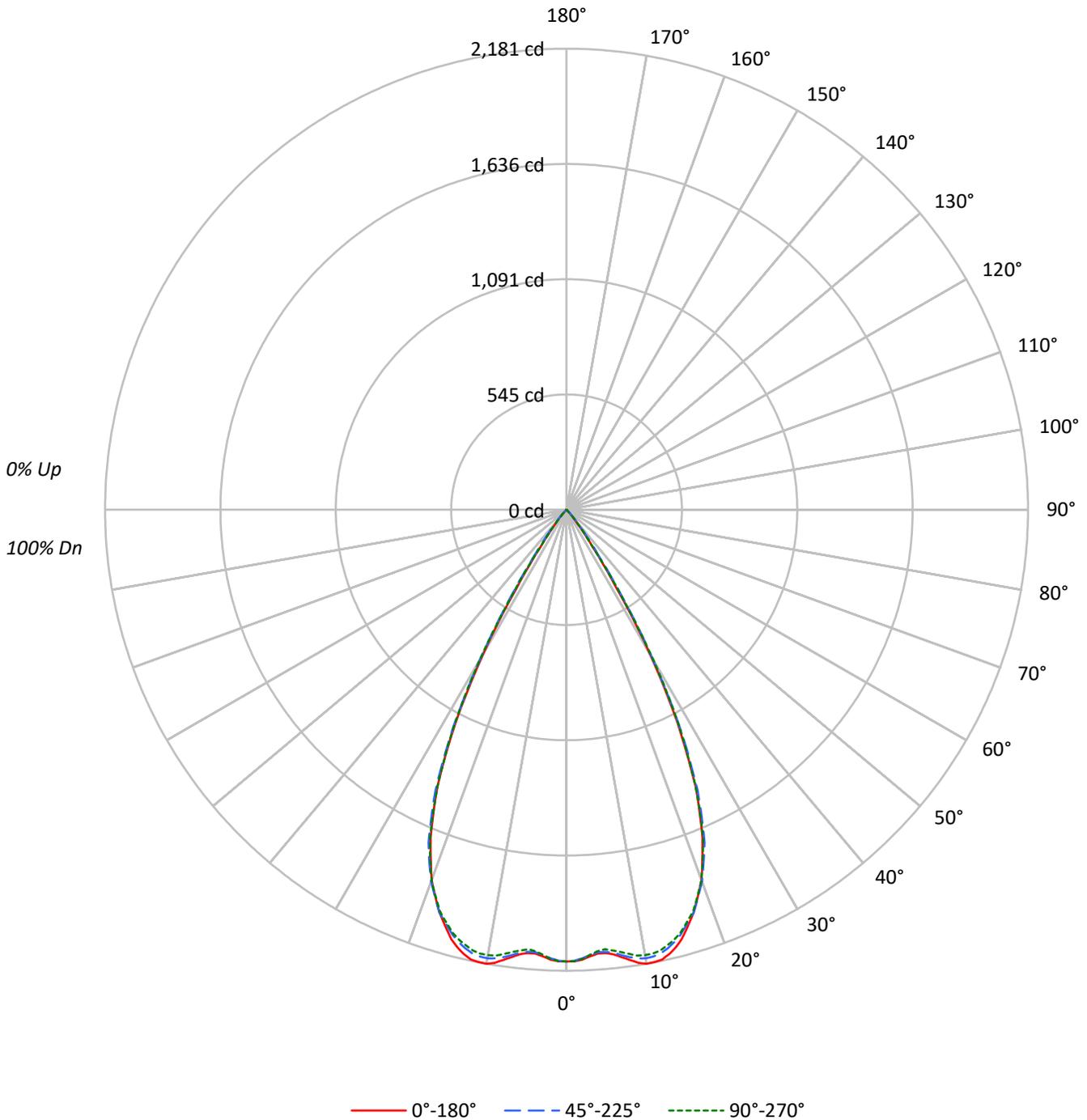
Test Method: LM-79-2019  
Report Number: P1316798  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R559740DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1625.0 lumens  
Efficiency: N/A  
Efficacy: 76.7 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				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°	368109	368109	368109
5°	363913	362842	360888
10°	381430	376848	374225
15°	375085	371092	369754
20°	341662	343037	341882
25°	274094	278370	274094
30°	157323	161300	162533
35°	44866	54033	46170
40°	11511	16547	11781
45°	1218	5772	901
50°	0	991	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: 5772 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	202.9	12.5
10°-20°	579.1	35.6
20°-30°	637.8	39.3
30°-40°	190.4	11.7
40°-50°	14.6	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°	1419.9	87.4
0°-40°	1610.3	99.1
0°-60°	1625.0	100.0
0°-90°	1625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1625.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2137	2137	2137	2137	2137	
5°	2105	2101	2099	2090	2088	204
15°	2104	2089	2081	2073	2074	583
25°	1442	1442	1465	1462	1442	632
35°	213	227	257	235	220	176
45°	5	12	24	12	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°	2137.4	2137.4	2137.4	2137.4	2137.4
1°	2136.2	2136.2	2133.7	2132.4	2136.2
2°	2129.9	2129.9	2123.7	2122.5	2126.2
3°	2116.2	2115.0	2110.0	2106.2	2108.7
4°	2105.0	2102.5	2098.8	2092.5	2093.8
5°	2105.0	2101.3	2098.8	2090.0	2087.5
6°	2115.0	2112.5	2107.5	2098.8	2096.3
7°	2132.4	2127.5	2122.5	2111.2	2108.7
8°	2151.2	2147.4	2137.4	2126.2	2121.2
9°	2169.9	2161.1	2148.7	2137.4	2136.2
10°	2181.1	2168.6	2154.9	2141.2	2139.9
11°	2179.9	2168.6	2152.4	2139.9	2138.7
12°	2174.9	2158.6	2144.9	2129.9	2131.2
13°	2157.4	2142.4	2128.7	2117.5	2115.0
14°	2133.7	2120.0	2107.5	2096.3	2097.5
15°	2103.7	2088.8	2081.3	2072.6	2073.8
17.5°	1997.7	1993.9	1997.7	1987.7	1991.4
20°	1864.2	1860.4	1871.7	1866.7	1865.4
22.5°	1678.3	1683.2	1704.5	1698.2	1687.0
25°	1442.4	1442.4	1464.9	1462.4	1442.4
27.5°	1135.5	1144.2	1157.9	1164.2	1149.2
30°	791.1	811.1	811.1	823.5	817.3
32.5°	441.7	484.1	494.1	500.4	475.4
35°	213.4	227.1	257.0	234.6	219.6
37.5°	102.3	108.6	138.5	112.3	104.8
40°	51.2	58.6	73.6	61.1	52.4
42.5°	21.2	31.2	38.7	31.2	21.2
45°	5.0	12.5	23.7	12.5	3.7
47.5°	0.0	1.2	11.2	2.5	0.0
50°	0.0	0.0	3.7	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)