

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: P1323861

Luminaire Tested: LDSQA3D13R159030D2WDE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

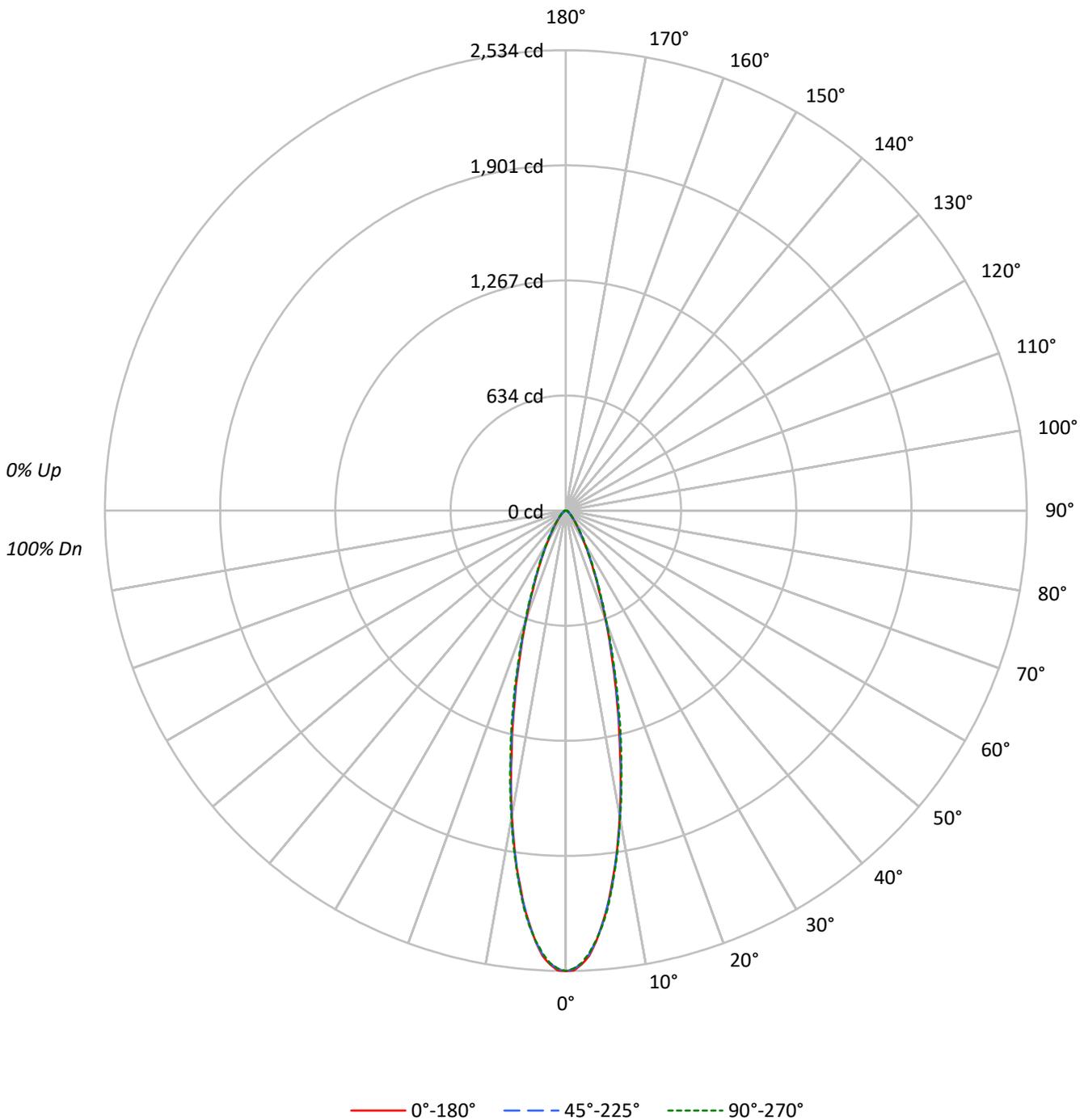
Test Method: LM-79-2019  
Report Number: P1323861  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R159030D2WDE010 3LSQPHRL1MMS  
Description: 3in Adjustable Dim to Warm LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,  
3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 838.0 lumens  
Efficiency: N/A  
Efficacy: 41.7 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 20.1  
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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	85	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	83	79	86	82	78	84	80	78	83	79	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	62	61

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

	0°	45°	90°
0°	436429	436429	436429
5°	395309	396052	396605
10°	298449	299201	300705
15°	193578	195700	199533
20°	116545	117938	119514
25°	68087	69531	70538
30°	40012	41304	41941
35°	24662	25566	26007
40°	16210	16682	16929
45°	11277	11520	11788
50°	8359	8654	8949
55°	6786	7116	7116
60°	5924	5924	5924
65°	5257	5257	5257
70°	4330	4884	4884
75°	4325	4325	4325
80°	3174	4265	4265
85°	2174	2174	2174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 11788 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.6	23.8
10°-20°	305.2	36.4
20°-30°	173.5	20.7
30°-40°	79.1	9.4
40°-50°	38.0	4.5
50°-60°	21.2	2.5
60°-70°	13.0	1.6
70°-80°	6.9	0.8
80°-90°	1.5	0.2
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°	678.3	80.9
0°-40°	757.4	90.4
0°-60°	816.6	97.4
0°-90°	838.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	838.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2534	2534	2534	2534	2534	
5°	2287	2286	2291	2291	2294	199
15°	1086	1091	1098	1113	1119	301
25°	358	358	366	369	371	170
35°	117	119	122	124	124	77
45°	46	46	47	48	48	37
55°	23	23	24	24	24	21
65°	13	13	13	13	13	13
75°	6	6	6	6	6	7
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2534.1	2534.1	2534.1	2534.1	2534.1
1°	2531.9	2525.4	2523.3	2522.2	2520.1
2°	2499.6	2494.2	2493.2	2493.2	2492.1
3°	2454.4	2444.7	2445.8	2442.6	2439.4
4°	2378.0	2373.7	2375.9	2378.0	2373.7
5°	2286.6	2285.5	2290.9	2290.9	2294.1
6°	2191.9	2190.8	2187.6	2196.2	2200.5
7°	2071.4	2077.8	2086.4	2082.1	2085.4
8°	1961.6	1954.1	1957.3	1968.1	1969.1
9°	1832.5	1827.1	1841.1	1845.4	1846.5
10°	1706.6	1712.0	1710.9	1726.0	1719.5
12.5°	1378.4	1387.0	1396.7	1403.1	1409.6
15°	1085.7	1091.1	1097.6	1112.6	1119.1
17.5°	835.0	841.5	847.9	860.8	863.0
20°	635.9	639.2	643.5	655.3	652.1
22.5°	475.6	481.0	485.3	490.7	493.9
25°	358.3	358.3	365.9	369.1	371.2
27.5°	266.9	269.0	274.4	278.7	277.6
30°	201.2	204.4	207.7	209.8	210.9
32.5°	154.9	154.9	158.2	161.4	162.5
35°	117.3	119.4	121.6	123.7	123.7
37.5°	91.5	92.5	94.7	95.8	95.8
40°	72.1	72.1	74.2	75.3	75.3
42.5°	57.0	58.1	59.2	60.3	60.3
45°	46.3	46.3	47.3	48.4	48.4
47.5°	37.7	37.7	38.7	39.8	39.8
50°	31.2	32.3	32.3	33.4	33.4
52.5°	26.9	26.9	26.9	28.0	28.0
55°	22.6	22.6	23.7	23.7	23.7
57.5°	19.4	19.4	19.4	20.4	20.4
60°	17.2	17.2	17.2	17.2	17.2
62.5°	15.1	15.1	15.1	15.1	15.1
65°	12.9	12.9	12.9	12.9	12.9
67.5°	10.8	10.8	10.8	11.8	11.8
70°	8.6	9.7	9.7	9.7	9.7
72.5°	7.5	7.5	7.5	7.5	7.5
75°	6.5	6.5	6.5	6.5	6.5
77.5°	5.4	5.4	5.4	5.4	5.4
80°	3.2	4.3	4.3	4.3	4.3
82.5°	2.2	2.2	2.2	2.2	2.2
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)