

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: P1323907

Luminaire Tested: LDSQA3D13R309030D2WDE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

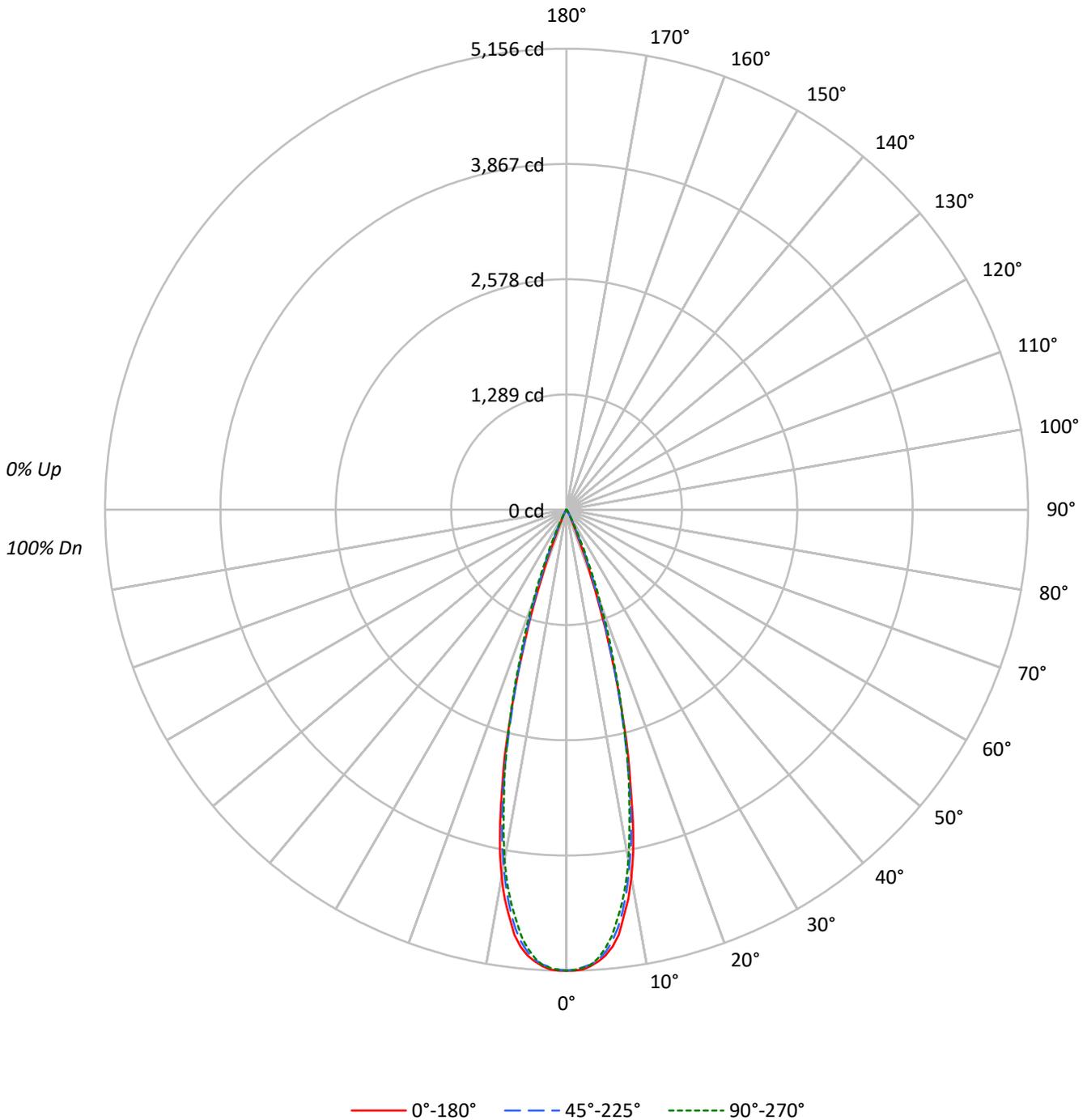
Test Method: LM-79-2019  
Report Number: P1323907  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309030D2WDE010 3LSQPHR1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,  
3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1249.0 lumens  
Efficiency: N/A  
Efficacy: 62.1 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
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				
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	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	99	99	99	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	96	96	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	96	94	93	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	94	92	90	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	92	89	88	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	90	87	85	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	88	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	86	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	82	79	77	76

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

	0°	45°	90°
0°	887756	887756	887756
5°	864887	858939	851869
10°	729894	707492	696003
15°	439861	427559	435439
20°	149205	172297	198726
25°	27421	42965	50737
30°	9426	10500	11773
35°	2712	3406	3616
40°	719	1214	967
45°	268	268	268
50°	295	0	295
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: 0°

Vertical Angle: 52.5°

Luminance: 311 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	445.7	35.7
10°-20°	651.4	52.2
20°-30°	137.8	11.0
30°-40°	12.7	1.0
40°-50°	1.2	0.1
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°	1235.0	98.9
0°-40°	1247.7	99.9
0°-60°	1249.0	100.0
0°-90°	1249.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1249.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5155	5155	5155	5155	5155	
5°	5003	4993	4968	4953	4928	452
15°	2467	2458	2398	2454	2442	651
25°	144	162	226	266	267	105
35°	13	16	16	19	17	11
45°	1	1	1	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°	5154.7	5154.7	5154.7	5154.7	5154.7
1°	5155.7	5150.4	5142.8	5153.6	5146.1
2°	5145.0	5132.1	5121.3	5132.1	5128.8
3°	5112.7	5101.9	5094.4	5099.8	5099.8
4°	5064.2	5052.4	5045.9	5047.0	5030.8
5°	5002.8	4993.2	4968.4	4953.3	4927.5
6°	4912.4	4888.7	4858.6	4833.8	4800.4
7°	4789.6	4753.0	4710.0	4666.9	4624.9
8°	4592.6	4575.4	4517.2	4488.1	4446.1
9°	4407.4	4365.4	4302.9	4255.5	4232.9
10°	4173.7	4111.2	4045.6	4007.9	3979.9
11°	3897.0	3833.4	3780.7	3725.8	3682.7
12°	3571.8	3517.9	3457.6	3421.0	3370.4
13°	3186.3	3178.7	3110.9	3099.0	3092.6
14°	2855.7	2825.5	2758.8	2777.1	2781.4
15°	2467.0	2458.3	2398.0	2454.0	2442.2
17.5°	1545.2	1548.4	1586.1	1674.4	1702.4
20°	814.1	838.8	940.1	1046.7	1084.3
22.5°	329.5	384.4	487.8	559.9	608.4
25°	144.3	161.5	226.1	266.0	267.0
27.5°	81.8	82.9	108.8	113.1	115.2
30°	47.4	48.5	52.8	56.0	59.2
32.5°	25.8	28.0	29.1	33.4	33.4
35°	12.9	16.2	16.2	19.4	17.2
37.5°	7.5	8.6	9.7	9.7	8.6
40°	3.2	4.3	5.4	5.4	4.3
42.5°	1.1	2.2	2.2	2.2	3.2
45°	1.1	1.1	1.1	1.1	1.1
47.5°	1.1	1.1	0.0	1.1	1.1
50°	1.1	0.0	0.0	0.0	1.1
52.5°	1.1	0.0	0.0	0.0	1.1
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)