

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: P1309270

Luminaire Tested: LDSQA3D13R359030DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

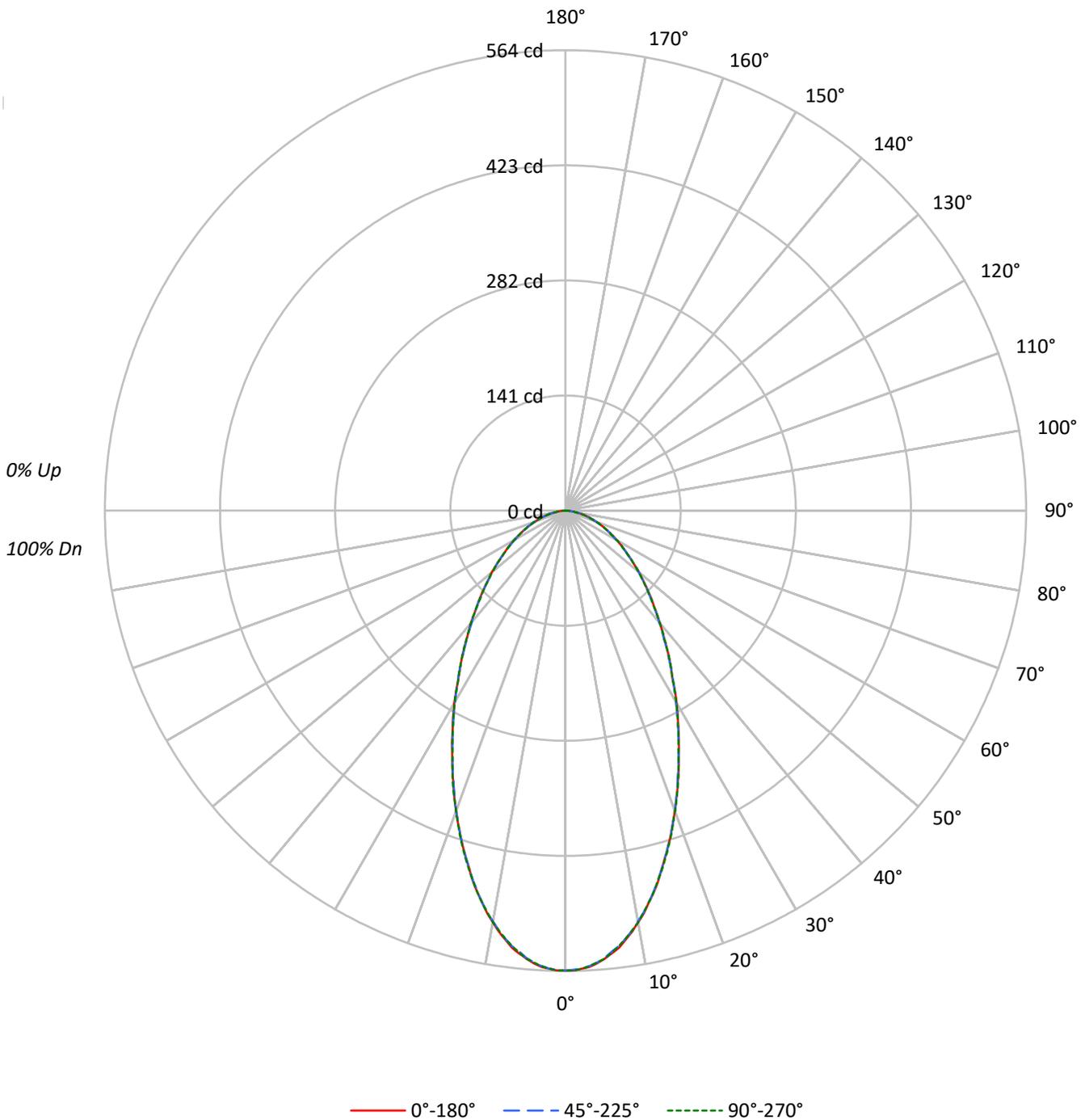
Test Method: LM-79-2019  
Report Number: P1309270  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R359030DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 753.0 lumens  
Efficiency: N/A  
Efficacy: 51.6 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
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

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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35

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

	0°	45°	90°
0°	97065	97065	97065
5°	95257	95084	95257
10°	89556	89398	89556
15°	81090	81090	81268
20°	71771	71771	71771
25°	62424	62234	62234
30°	54111	53733	53912
35°	46590	46380	46590
40°	40423	40198	40423
45°	35511	35267	35267
50°	31509	31241	31241
55°	27714	27714	27714
60°	25110	24766	25110
65°	22576	22576	22576
70°	20041	20041	20041
75°	18099	17434	18099
80°	15373	15373	15373
85°	9683	9683	9683

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 35511 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.3	6.8
10°-20°	126.9	16.8
20°-30°	150.7	20.0
30°-40°	138.5	18.4
40°-50°	112.5	14.9
50°-60°	83.2	11.1
60°-70°	55.0	7.3
70°-80°	28.5	3.8
80°-90°	6.4	0.9
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°	328.9	43.7
0°-40°	467.4	62.1
0°-60°	663.1	88.1
0°-90°	753.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	753.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	564	564	564	564	564	
5°	551	550	550	550	551	51
15°	455	455	455	455	456	127
25°	328	328	328	328	328	151
35°	222	221	221	222	222	139
45°	146	145	145	145	145	113
55°	92	92	92	92	92	84
65°	55	55	55	55	55	55
75°	27	27	26	27	27	29
85°	5	5	5	5	5	6
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	563.6	563.6	563.6	563.6	563.6
1°	563.6	562.7	562.7	562.7	563.6
2°	561.7	561.7	561.7	561.7	561.7
3°	559.8	558.8	558.8	558.8	558.8
4°	555.9	554.9	554.9	554.9	554.9
5°	551.0	550.0	550.0	550.0	551.0
6°	545.2	544.2	543.2	543.2	544.2
7°	539.4	537.4	537.4	537.4	537.4
8°	530.6	529.6	529.6	529.6	529.6
9°	521.9	519.9	520.9	520.9	520.9
10°	512.1	511.2	511.2	511.2	512.1
11°	502.4	501.5	501.5	500.5	501.5
12°	490.8	490.8	490.8	490.8	490.8
13°	480.1	479.1	479.1	479.1	480.1
14°	468.4	467.4	467.4	467.4	467.4
15°	454.8	454.8	454.8	454.8	455.8
17.5°	423.7	422.7	423.7	423.7	424.7
20°	391.6	390.7	391.6	391.6	391.6
22.5°	359.6	359.6	358.6	359.6	360.5
25°	328.5	327.5	327.5	328.5	327.5
27.5°	299.3	298.3	298.3	298.3	298.3
30°	272.1	270.2	270.2	271.1	271.1
32.5°	243.9	243.9	244.9	243.9	243.9
35°	221.6	220.6	220.6	221.6	221.6
37.5°	199.2	198.2	198.2	199.2	199.2
40°	179.8	179.8	178.8	179.8	179.8
42.5°	161.3	161.3	161.3	161.3	161.3
45°	145.8	144.8	144.8	144.8	144.8
47.5°	130.2	130.2	130.2	129.3	130.2
50°	117.6	116.6	116.6	116.6	116.6
52.5°	104.0	104.0	104.0	104.0	104.0
55°	92.3	92.3	92.3	92.3	92.3
57.5°	82.6	81.6	81.6	81.6	81.6
60°	72.9	72.9	71.9	72.9	72.9
62.5°	63.2	63.2	63.2	63.2	63.2
65°	55.4	55.4	55.4	55.4	55.4
67.5°	47.6	47.6	47.6	47.6	47.6
70°	39.8	39.8	39.8	39.8	39.8
72.5°	34.0	33.0	33.0	33.0	33.0
75°	27.2	27.2	26.2	27.2	27.2
77.5°	20.4	20.4	20.4	20.4	20.4
80°	15.5	15.5	15.5	14.6	15.5
82.5°	9.7	9.7	9.7	9.7	9.7
85°	4.9	4.9	4.9	4.9	4.9
87.5°	1.0	1.0	1.0	1.9	1.9



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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)