

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: P1315758

Luminaire Tested: LDSQA3D17R259735DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

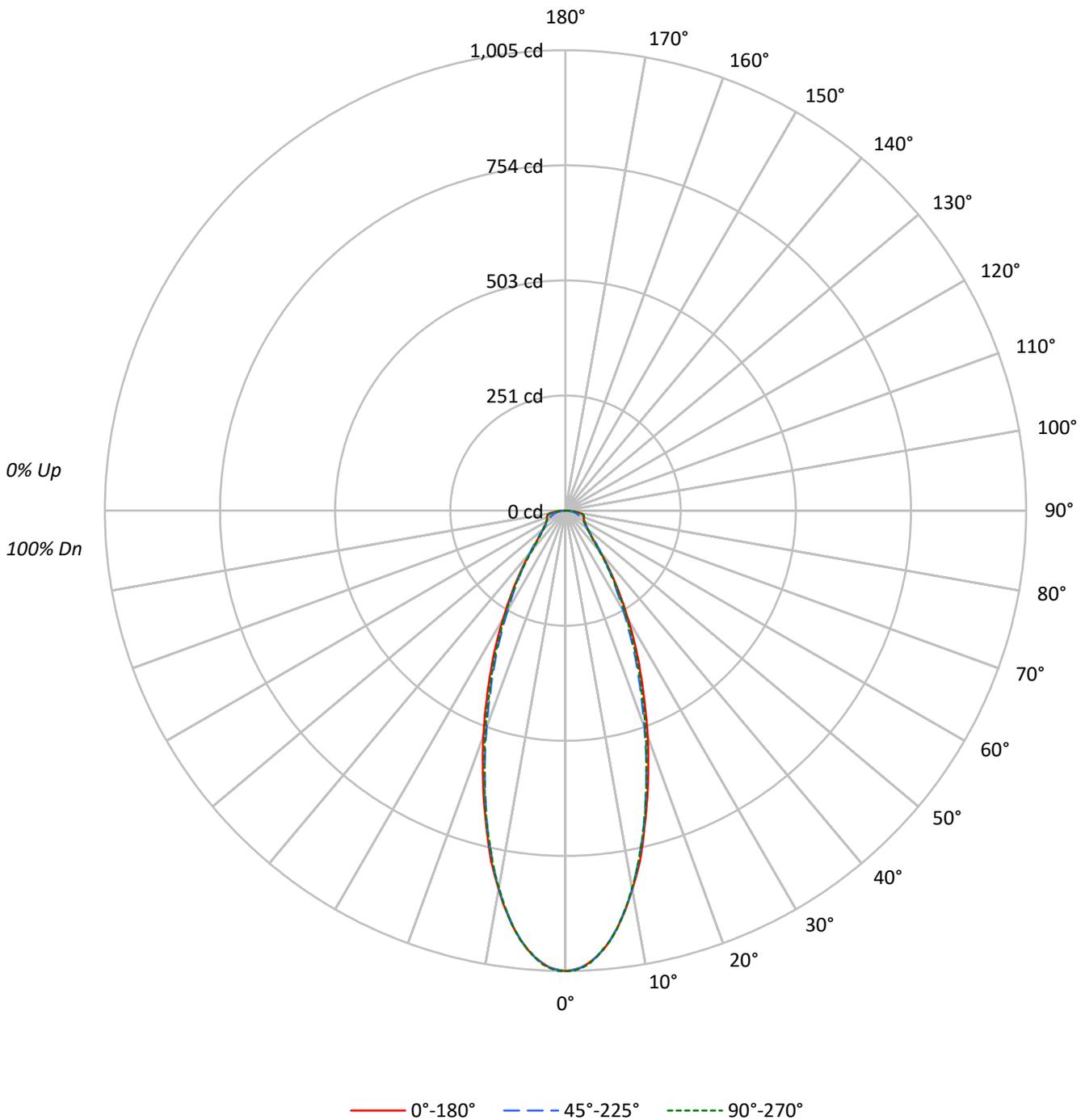
Test Method: LM-79-2019  
Report Number: P1315758  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R259735DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 759.1 lumens  
Efficiency: N/A  
Efficacy: 35.8 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68  
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 (A<sub>in</sub>): 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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	102	96	91	87	93	89	85	89	86	83	87	84	81	81	81	81	80
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	74	74	74	72
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	63	63	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	59	66	62	58	58	58	58	56
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	62	58	54	54	54	54	53
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48	48	48	48	46
10	67	56	50	46	66	56	50	46	55	49	46	54	49	45	53	49	45	45	45	45	44

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

	0°	45°	90°
0°	173084	173084	173084
5°	166069	165862	165862
10°	146811	146601	146182
15°	121243	119531	120173
20°	96055	92096	93635
25°	73160	69284	71108
30°	53893	50074	52222
35°	38580	36814	37318
40°	26416	26956	25607
45°	19558	20727	19290
50°	17040	17040	16719
55°	16214	15493	16214
60°	16533	15293	16533
65°	18094	15649	18094
70°	21753	15711	21149
75°	27149	16769	27149
80°	34514	17852	32134
85°	28455	16599	28455

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 34514 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.7	11.6
10°-20°	186.3	24.5
20°-30°	170.7	22.5
30°-40°	112.6	14.8
40°-50°	65.5	8.6
50°-60°	47.9	6.3
60°-70°	40.7	5.4
70°-80°	33.7	4.4
80°-90°	13.9	1.8
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°	444.8	58.6
0°-40°	557.4	73.4
0°-60°	670.9	88.4
0°-90°	759.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	759.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1005	1005	1005	1005	1005	
5°	961	959	959	961	959	88
15°	680	678	670	673	674	188
25°	385	374	365	366	374	177
35°	184	180	175	175	178	116
45°	80	83	85	80	79	65
55°	54	54	52	53	54	49
65°	44	41	38	41	44	44
75°	41	31	25	31	41	43
85°	14	16	8	16	14	16
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1005.0	1005.0	1005.0	1005.0	1005.0
1°	1002.6	1002.6	1002.6	1002.6	1005.0
2°	997.8	996.6	997.8	997.8	999.0
3°	988.2	988.2	988.2	988.2	990.6
4°	976.2	976.2	976.2	976.2	976.2
5°	960.6	959.4	959.4	960.6	959.4
6°	941.4	941.4	941.4	941.4	942.6
7°	919.8	918.6	918.6	917.4	919.8
8°	894.6	894.6	893.4	892.2	894.6
9°	868.3	869.5	867.1	865.9	865.9
10°	839.5	838.3	838.3	838.3	835.9
11°	810.7	807.1	805.9	805.9	808.3
12°	781.9	775.9	773.5	773.5	773.5
13°	747.1	744.7	741.1	738.7	739.9
14°	712.4	712.4	706.4	706.4	708.8
15°	680.0	677.6	670.4	672.8	674.0
17.5°	599.6	594.8	586.4	586.4	587.6
20°	524.1	515.7	502.5	508.5	510.9
22.5°	449.7	441.3	428.1	434.1	436.5
25°	385.0	374.2	364.6	365.8	374.2
27.5°	326.2	314.2	304.6	308.2	313.0
30°	271.0	263.8	251.8	257.8	262.6
32.5°	224.3	218.3	209.9	213.5	218.3
35°	183.5	179.9	175.1	175.1	177.5
37.5°	148.7	147.5	145.1	143.9	142.7
40°	117.5	119.9	119.9	117.5	113.9
42.5°	95.9	98.3	100.7	95.9	92.3
45°	80.3	82.7	85.1	80.3	79.2
47.5°	70.8	72.0	73.2	70.8	69.6
50°	63.6	63.6	63.6	62.4	62.4
52.5°	58.8	57.6	56.4	57.6	57.6
55°	54.0	54.0	51.6	52.8	54.0
57.5°	50.4	49.2	48.0	49.2	50.4
60°	48.0	45.6	44.4	45.6	48.0
62.5°	45.6	43.2	40.8	43.2	45.6
65°	44.4	40.8	38.4	40.8	44.4
67.5°	43.2	38.4	34.8	38.4	43.2
70°	43.2	36.0	31.2	36.0	42.0
72.5°	42.0	33.6	28.8	33.6	42.0
75°	40.8	31.2	25.2	31.2	40.8
77.5°	39.6	28.8	21.6	28.8	38.4
80°	34.8	26.4	18.0	26.4	32.4
82.5°	25.2	21.6	14.4	21.6	24.0
85°	14.4	15.6	8.4	15.6	14.4
87.5°	2.4	3.6	2.4	6.0	4.8



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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)