

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: P1319757

Luminaire Tested: LDSQA3D02R709840DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

**Test Information**

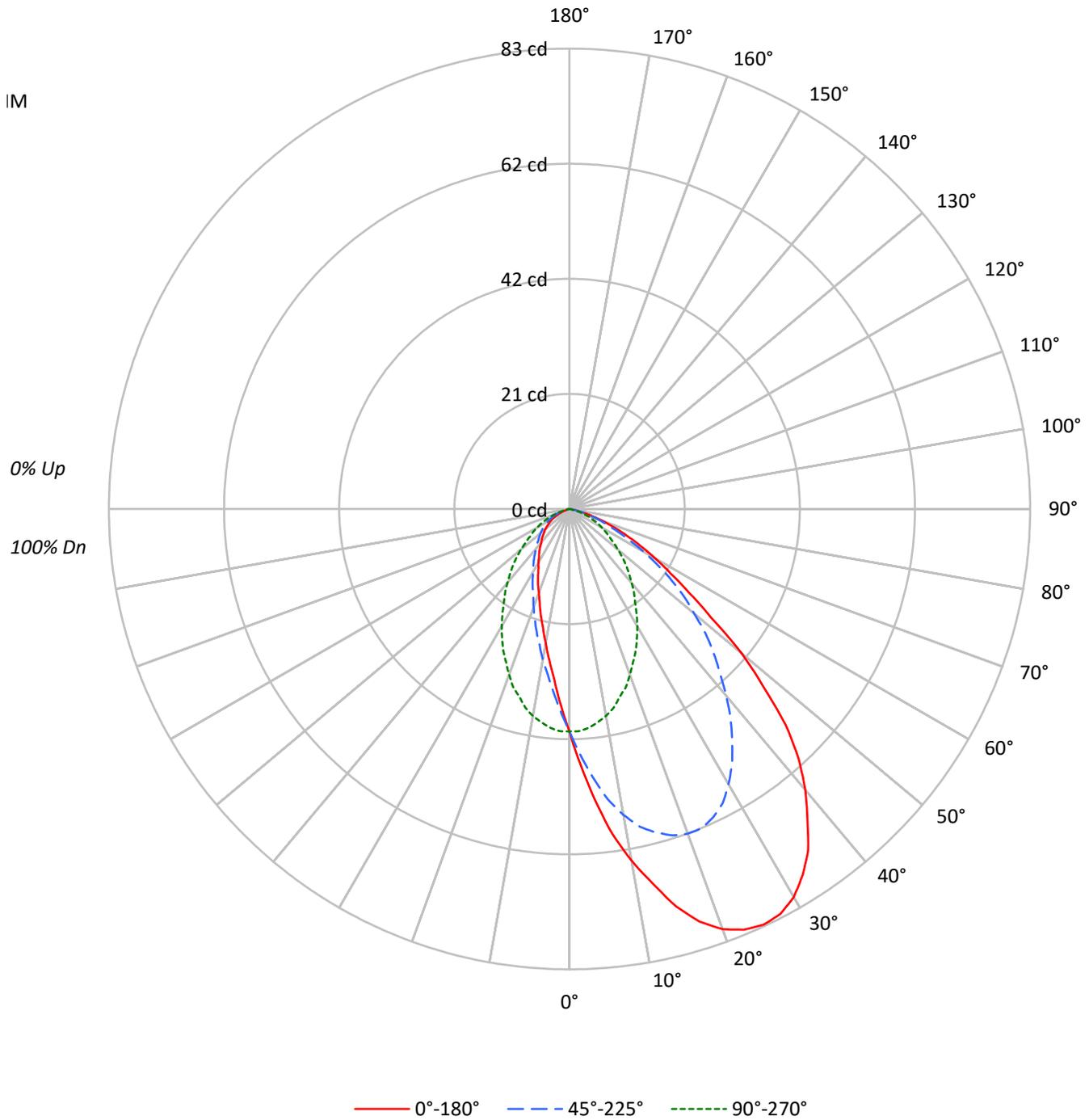
Test Method: LM-79-2019  
Report Number: P1319757  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R709840DE010 3LSQCLSWWR 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCLSWWR 1MB TRI  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 90.0 lumens  
Efficiency: N/A  
Efficacy: 25.0 lumens/watt  
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 3.6  
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				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	100				100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89				89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77				77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67				67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59				59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52				52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46				46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42				42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38				38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34				34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31				31

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

	0°	45°	90°	135°	180°
0°	6906	6906	6906	6906	6906
5°	9094	8402	6846	5722	5359
10°	11262	9793	6628	4827	4302
15°	13230	10769	6240	4083	3548
20°	14772	11418	5828	3464	2951
25°	15715	11649	5359	2983	2546
30°	16068	11395	4852	2605	2227
35°	15768	10744	4331	2355	1997
40°	14861	9870	3912	2136	1776
45°	13420	8939	3507	1924	1656
50°	10851	7850	3054	1822	1527
55°	7897	6756	2612	1711	1351
60°	6131	5339	2342	1550	1240
65°	4646	3871	1915	1386	937
70°	3223	2769	1410	1057	554
75°	1863	1664	732	532	133
80°	397	595	198	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13420 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.9	4.4
10°-20°	11.7	13.0
20°-30°	17.6	19.6
30°-40°	19.6	21.8
40°-50°	17.4	19.3
50°-60°	11.8	13.1
60°-70°	6.2	6.9
70°-80°	1.8	1.9
80°-90°	0.1	0.1
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
<b>0°-30°</b>	<b>33.3</b>	<b>36.9</b>
<b>0°-40°</b>	<b>52.8</b>	<b>58.7</b>
<b>0°-60°</b>	<b>82.0</b>	<b>91.1</b>
<b>0°-90°</b>	<b>90.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>90.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	40	40	40	40	40	
5°	53	49	40	33	31	5
15°	74	60	35	23	20	21
25°	83	61	28	16	13	38
35°	75	51	21	11	10	46
45°	55	37	14	8	7	42
55°	26	22	9	6	4	24
65°	11	10	5	3	2	11
75°	3	2	1	1	0	3
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
2.5°	46.2	46.0	45.8	45.8	45.6	45.4	45.0	45.0	44.7	44.3	43.9
5°	52.6	52.6	52.6	52.0	52.0	51.3	50.9	50.2	49.4	48.6	47.7
7.5°	59.1	59.1	58.5	58.3	57.7	57.0	56.4	55.3	53.9	52.8	51.3
10°	64.4	64.4	63.8	63.4	62.3	61.5	60.4	59.1	57.7	56.0	54.1
12.5°	69.1	69.3	68.5	67.8	66.6	65.5	64.0	62.3	60.6	58.7	56.2
15°	74.2	74.0	73.1	72.1	70.8	69.1	67.2	64.9	62.6	60.4	57.7
17.5°	78.0	77.8	76.8	75.7	74.0	71.9	69.8	67.2	64.5	61.7	58.5
20°	80.6	80.4	79.5	78.0	76.3	74.0	71.5	68.5	65.7	62.3	58.7
22.5°	82.1	82.0	80.8	79.5	77.4	75.0	72.3	69.1	65.9	62.3	58.3
25°	82.7	82.3	81.2	79.7	77.6	75.0	71.9	68.5	65.1	61.3	57.2
27.5°	82.3	82.0	80.6	78.9	76.7	73.6	70.6	67.2	63.6	59.8	55.5
30°	80.8	80.2	79.1	77.4	75.0	71.9	68.7	65.1	61.3	57.3	53.0
32.5°	78.2	77.8	76.7	74.8	72.3	69.3	66.1	62.3	58.5	54.5	50.2
35°	75.0	74.2	73.1	71.4	68.9	65.9	62.6	58.7	55.1	51.1	46.9
37.5°	70.4	70.2	68.9	67.6	65.1	61.9	58.9	55.1	51.5	47.7	43.5
40°	66.1	65.7	64.5	63.0	60.6	57.7	54.5	51.1	47.5	43.9	40.1
42.5°	61.1	60.6	59.8	58.3	56.0	53.2	50.2	46.7	43.5	40.1	36.7
45°	55.1	54.9	53.9	53.2	51.1	48.6	45.6	42.6	39.4	36.7	34.1
47.5°	47.3	47.1	46.9	46.4	45.2	43.5	41.3	38.4	36.0	33.3	29.7
50°	40.5	40.3	39.9	39.7	38.8	37.9	36.2	34.4	32.4	29.3	26.5
52.5°	32.2	32.4	32.9	33.1	32.9	32.2	31.4	30.9	28.0	26.1	23.5
55°	26.3	26.3	26.1	26.3	26.5	26.9	26.9	26.1	24.2	22.5	20.3
57.5°	21.6	21.6	21.6	21.6	21.6	21.8	21.8	21.6	20.6	18.9	16.8
60°	17.8	17.6	17.6	17.8	17.6	17.6	17.8	17.8	16.8	15.5	13.6
62.5°	14.4	14.4	14.4	14.2	14.2	14.4	14.4	14.2	13.4	12.1	10.8
65°	11.4	11.4	11.4	11.4	11.4	11.5	11.4	11.2	10.4	9.5	8.5
67.5°	8.7	8.7	8.9	8.7	8.9	8.9	8.9	8.5	7.9	7.2	6.6
70°	6.4	6.4	6.4	6.6	6.8	6.8	6.6	6.2	5.9	5.5	4.9
72.5°	4.4	4.5	4.5	4.5	4.7	4.7	4.5	4.4	4.2	3.8	3.6
75°	2.8	2.6	2.8	2.8	3.0	3.0	2.8	2.8	2.6	2.5	2.3
77.5°	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.3
80°	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
2.5°	43.5	43.0	42.2	40.1	38.2	36.5	35.6	35.4
5°	46.6	45.8	43.9	39.6	36.0	33.1	31.4	31.0
7.5°	49.8	48.3	45.6	38.8	33.7	30.1	28.2	27.6
10°	52.2	50.3	46.7	37.9	31.4	27.6	25.4	24.6
12.5°	53.9	51.7	47.7	36.7	29.5	25.0	22.7	22.0
15°	54.9	52.4	47.9	35.0	27.3	22.9	20.4	19.9
17.5°	55.3	52.4	47.5	33.7	25.2	20.8	18.5	17.8
20°	55.1	51.7	46.6	31.8	23.3	18.9	16.7	16.1
22.5°	54.3	50.5	45.0	29.9	21.4	17.0	15.1	14.8
25°	53.2	49.0	43.3	28.2	19.7	15.7	13.8	13.4
27.5°	51.3	47.1	41.1	26.3	18.2	14.4	12.7	12.1
30°	48.8	44.9	38.8	24.4	16.7	13.1	11.5	11.2
32.5°	46.2	42.2	36.5	22.5	15.3	12.1	10.6	10.2
35°	43.2	39.4	33.7	20.6	14.0	11.2	9.7	9.5
37.5°	40.1	36.3	31.2	19.1	12.9	10.2	8.9	8.7
40°	36.7	33.7	29.9	17.4	11.9	9.5	8.3	7.9
42.5°	34.6	30.5	25.7	15.9	11.0	8.7	7.6	7.4
45°	30.1	27.1	23.3	14.4	10.0	7.9	7.0	6.8
47.5°	27.1	24.4	20.8	12.9	9.3	7.4	6.4	6.2
50°	24.0	21.6	18.2	11.4	8.5	6.8	5.9	5.7
52.5°	21.0	18.5	15.5	10.0	7.6	6.2	5.3	5.1
55°	18.0	15.7	12.9	8.7	6.8	5.7	4.9	4.5
57.5°	14.8	12.9	11.0	7.8	6.1	5.1	4.4	4.0
60°	11.9	10.8	9.3	6.8	5.3	4.5	3.8	3.6
62.5°	9.7	8.7	7.8	5.9	4.7	4.0	3.4	2.8
65°	7.8	7.2	6.4	4.7	4.0	3.4	2.8	2.3
67.5°	6.1	5.7	5.1	4.0	3.2	2.8	2.1	1.7
70°	4.7	4.4	4.0	2.8	2.5	2.1	1.5	1.1
72.5°	3.4	3.0	2.8	2.1	1.7	1.5	0.9	0.6
75°	2.1	2.1	1.7	1.1	0.9	0.8	0.4	0.2
77.5°	1.1	1.1	0.9	0.6	0.6	0.2	0.0	0.0
80°	0.6	0.4	0.4	0.2	0.2	0.0	0.0	0.0
82.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)