

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: P1311209

Luminaire Tested: LDSQA3D05R509040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

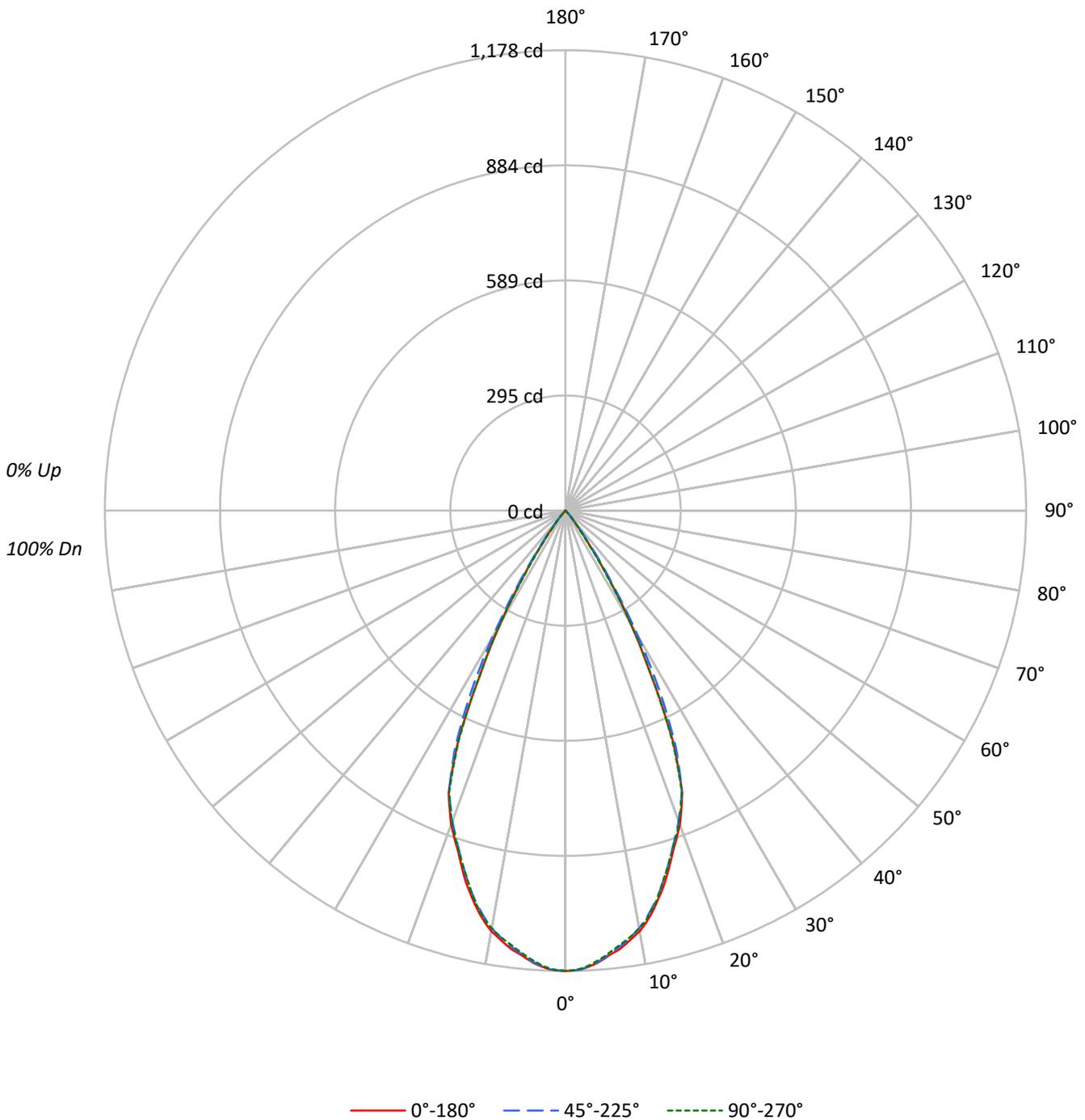
Test Method: LM-79-2019  
Report Number: P1311209  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R509040DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 758.9 lumens  
Efficiency: N/A  
Efficacy: 105.4 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

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

	0°	45°	90°
0°	202844	202844	202844
5°	198864	198484	197931
10°	191073	189762	189849
15°	175410	173769	173591
20°	156701	155033	155821
25°	123156	126748	122149
30°	65884	73819	66103
35°	21529	25145	20268
40°	5328	6655	5081
45°	658	2363	658
50°	429	723	429
55°	480	480	480
60°	379	379	379
65°	448	448	448
70°	252	252	252
75°	333	333	333
80°	496	496	496
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2363 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.7	14.2
10°-20°	272.4	35.9
20°-30°	286.5	37.7
30°-40°	82.6	10.9
40°-50°	6.7	0.9
50°-60°	1.4	0.2
60°-70°	1.0	0.1
70°-80°	0.5	0.1
80°-90°	0.1	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°	666.5	87.8
0°-40°	749.1	98.7
0°-60°	757.2	99.8
0°-90°	758.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	758.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1178	1178	1178	1178	1178	
5°	1150	1150	1148	1149	1145	108
15°	984	977	975	975	974	274
25°	648	664	667	660	643	281
35°	102	106	120	102	96	79
45°	3	5	10	5	3	5
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1177.8	1177.8	1177.8	1177.8	1177.8
1°	1177.2	1178.3	1176.1	1179.9	1176.7
2°	1174.5	1175.1	1174.0	1176.7	1172.4
3°	1168.1	1169.1	1167.0	1169.1	1165.4
4°	1160.5	1160.5	1158.4	1160.0	1155.1
5°	1150.3	1149.7	1148.1	1149.2	1144.9
6°	1139.5	1139.0	1136.3	1136.3	1133.0
7°	1131.4	1127.7	1125.5	1125.0	1121.7
8°	1118.5	1117.4	1113.1	1113.1	1111.0
9°	1105.6	1104.5	1099.6	1100.7	1099.1
10°	1092.6	1088.9	1085.1	1085.6	1085.6
11°	1075.4	1072.2	1066.8	1068.9	1070.0
12°	1054.9	1051.1	1046.3	1050.6	1050.1
13°	1032.3	1029.1	1025.3	1028.5	1027.4
14°	1008.6	1003.7	1000.5	1002.7	1001.6
15°	983.8	977.3	974.6	974.6	973.6
17.5°	914.3	910.5	907.8	906.2	910.0
20°	855.0	851.8	845.9	847.5	850.2
22.5°	780.7	780.1	776.9	774.2	777.5
25°	648.1	664.3	667.0	659.5	642.8
27.5°	470.9	508.6	522.1	504.3	473.6
30°	331.3	349.1	371.2	336.2	332.4
32.5°	199.9	204.7	225.2	201.0	195.6
35°	102.4	106.1	119.6	102.4	96.4
37.5°	48.0	50.1	55.5	48.0	44.7
40°	23.7	26.4	29.6	24.8	22.6
42.5°	10.2	13.5	17.2	12.9	9.2
45°	2.7	5.4	9.7	5.4	2.7
47.5°	1.6	2.2	5.4	2.2	1.6
50°	1.6	1.6	2.7	1.6	1.6
52.5°	1.6	1.6	1.6	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.1	1.6	1.1	1.6	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.5	0.0	0.5	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)