

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: P1317222

Luminaire Tested: LDSQA3D05R409827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

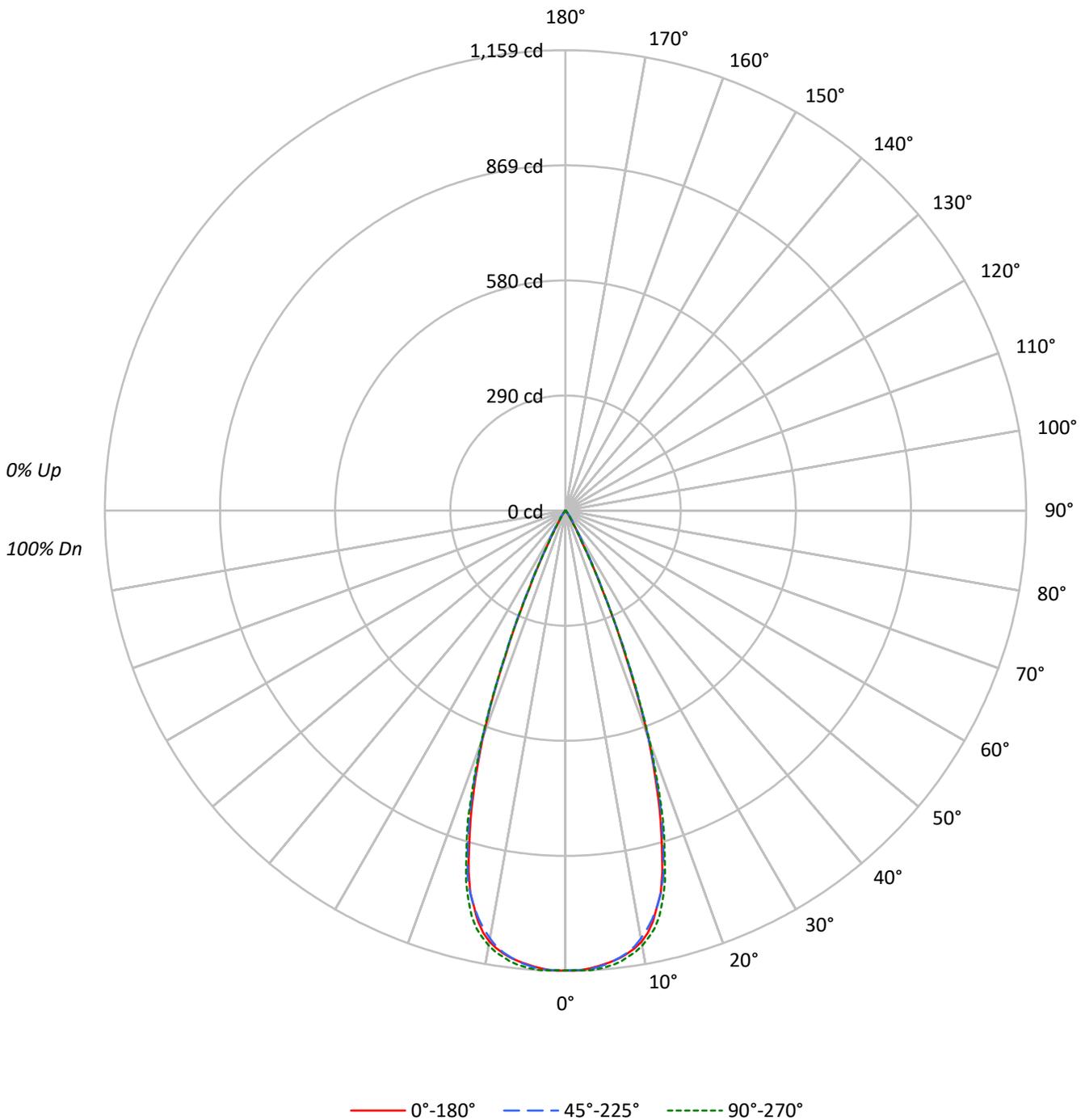
Test Method: LM-79-2019  
Report Number: P1317222  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R409827DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 489.9 lumens  
Efficiency: N/A  
Efficacy: 68.0 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6  
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 (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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	72	69	69	69	69	68

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

	0°	45°	90°
0°	199399	199399	199399
5°	198069	198363	199435
10°	192700	191266	194448
15°	167903	169633	172272
20°	111835	112403	113484
25°	40666	41901	40856
30°	8631	11574	8631
35°	3049	5151	2901
40°	1079	1619	1079
45°	244	682	244
50°	188	268	188
55°	210	210	210
60°	241	241	241
65°	122	285	122
70°	151	151	151
75°	200	200	200
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 682 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.2	22.1
10°-20°	252.1	51.5
20°-30°	113.5	23.2
30°-40°	12.9	2.6
40°-50°	1.8	0.4
50°-60°	0.6	0.1
60°-70°	0.5	0.1
70°-80°	0.3	0.1
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
<b>0°-30°</b>	<b>473.8</b>	<b>96.7</b>
<b>0°-40°</b>	<b>486.7</b>	<b>99.3</b>
<b>0°-60°</b>	<b>489.2</b>	<b>99.8</b>
<b>0°-90°</b>	<b>489.9</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>489.9</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1158	1158	1158	1158	1158	
5°	1146	1144	1147	1153	1154	108
15°	942	944	951	959	966	250
25°	214	215	220	220	215	111
35°	14	16	24	16	14	11
45°	1	2	3	2	1	1
55°	1	1	1	1	1	1
65°	0	1	1	1	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°	1157.8	1157.8	1157.8	1157.8	1157.8
1°	1158.5	1157.4	1157.1	1159.1	1157.4
2°	1157.4	1156.7	1157.1	1159.1	1157.8
3°	1154.3	1154.7	1155.7	1159.5	1159.1
4°	1150.5	1150.2	1152.3	1157.1	1157.1
5°	1145.7	1144.3	1147.4	1152.6	1153.6
6°	1140.2	1138.5	1140.9	1147.4	1149.8
7°	1134.0	1130.5	1132.6	1140.5	1143.6
8°	1125.7	1121.2	1123.7	1131.6	1134.0
9°	1115.4	1108.5	1110.6	1120.2	1125.0
10°	1101.9	1093.3	1093.7	1104.4	1111.9
11°	1083.0	1073.3	1073.7	1087.1	1095.1
12°	1057.8	1049.2	1051.0	1063.4	1076.1
13°	1023.7	1021.3	1023.4	1036.8	1048.5
14°	990.7	988.2	992.0	1004.4	1009.9
15°	941.7	944.1	951.4	958.9	966.2
17.5°	786.7	796.0	804.6	809.7	816.0
20°	610.2	599.6	613.3	607.1	619.2
22.5°	393.8	401.8	405.2	401.8	403.2
25°	214.0	215.4	220.5	220.5	215.0
27.5°	91.0	98.2	104.8	102.3	91.0
30°	43.4	50.0	58.2	50.3	43.4
32.5°	24.5	28.9	37.6	28.3	23.8
35°	14.5	16.2	24.5	15.5	13.8
37.5°	8.6	9.0	13.4	9.3	8.3
40°	4.8	5.9	7.2	5.9	4.8
42.5°	2.4	3.4	4.5	3.4	2.4
45°	1.0	1.7	2.8	1.7	1.0
47.5°	1.0	1.0	1.7	1.0	1.0
50°	0.7	0.7	1.0	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.3	0.7	0.7	0.7	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
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)