

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: P1315512

Luminaire Tested: LDSQA3D09R559735DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315512  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R559735DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

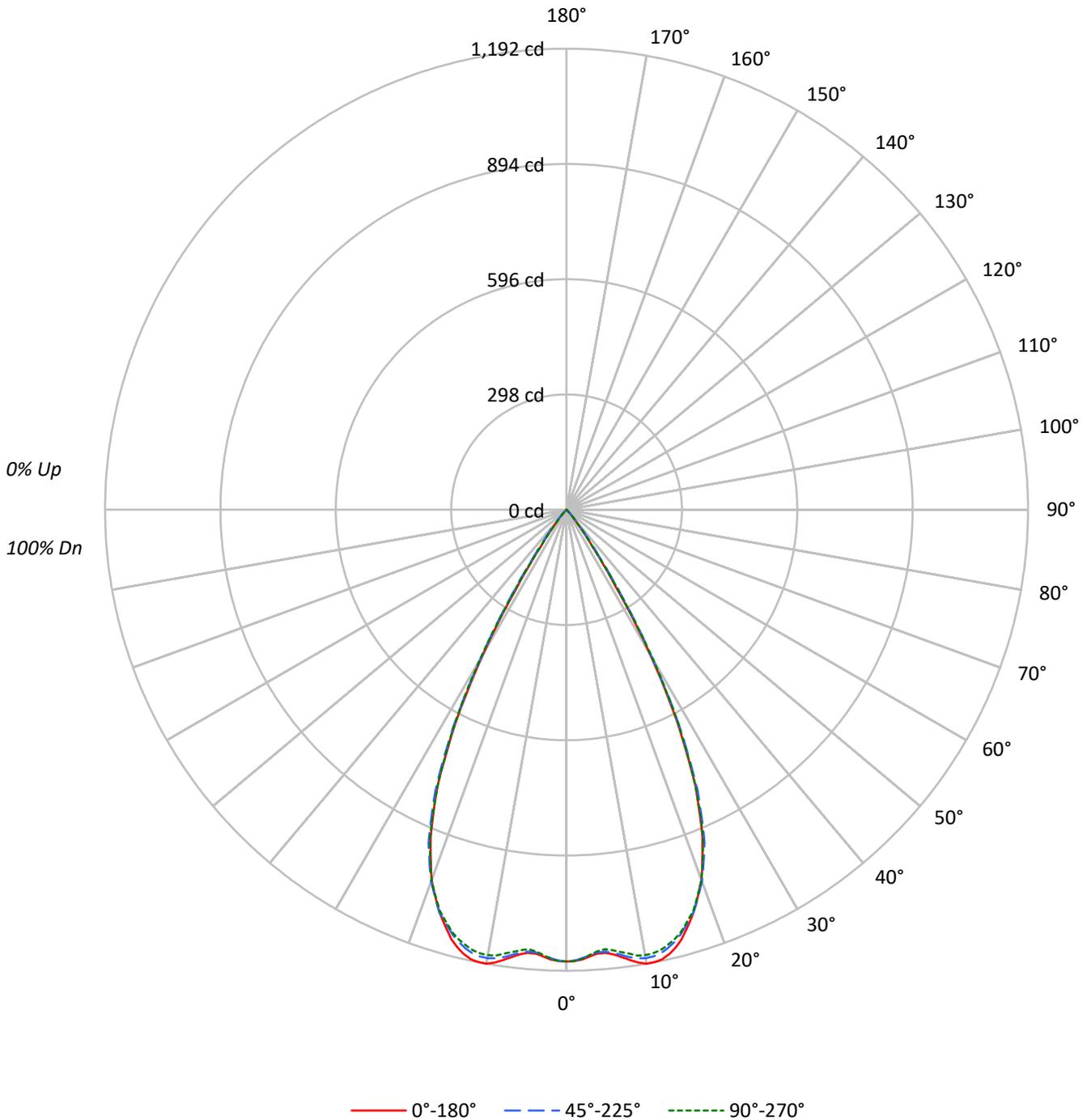
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 888.0 lumens  
Efficiency: N/A  
Efficacy: 80.0 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

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

	0°	45°	90°
0°	201156	201156	201156
5°	198864	198277	197222
10°	208439	205938	204504
15°	204971	202778	202065
20°	186703	187454	186831
25°	149779	152116	149779
30°	85970	88137	88813
35°	24515	29539	25229
40°	6295	9038	6430
45°	658	3166	487
50°	0	536	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3166 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.9	12.5
10°-20°	316.5	35.6
20°-30°	348.6	39.3
30°-40°	104.1	11.7
40°-50°	8.0	0.9
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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>775.9</b>	<b>87.4</b>
<b>0°-40°</b>	<b>880.0</b>	<b>99.1</b>
<b>0°-60°</b>	<b>888.0</b>	<b>100.0</b>
<b>0°-90°</b>	<b>888.0</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>888.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1168	1168	1168	1168	1168	
5°	1150	1148	1147	1142	1141	112
15°	1150	1141	1137	1133	1133	319
25°	788	788	800	799	788	345
35°	117	124	140	128	120	96
45°	3	7	13	7	2	5
55°	0	0	0	0	0	0
65°	0	0	0	0	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°	1168.0	1168.0	1168.0	1168.0	1168.0
1°	1167.3	1167.3	1166.0	1165.3	1167.3
2°	1163.9	1163.9	1160.5	1159.8	1161.9
3°	1156.4	1155.8	1153.0	1151.0	1152.3
4°	1150.3	1148.9	1146.9	1143.5	1144.2
5°	1150.3	1148.3	1146.9	1142.1	1140.8
6°	1155.8	1154.4	1151.7	1146.9	1145.5
7°	1165.3	1162.6	1159.8	1153.7	1152.3
8°	1175.5	1173.5	1168.0	1161.9	1159.2
9°	1185.8	1181.0	1174.2	1168.0	1167.3
10°	1191.9	1185.1	1177.6	1170.1	1169.4
11°	1191.2	1185.1	1176.2	1169.4	1168.7
12°	1188.5	1179.6	1172.1	1163.9	1164.6
13°	1178.9	1170.8	1163.3	1157.1	1155.8
14°	1166.0	1158.5	1151.7	1145.5	1146.2
15°	1149.6	1141.4	1137.3	1132.6	1133.3
17.5°	1091.7	1089.6	1091.7	1086.2	1088.2
20°	1018.7	1016.7	1022.8	1020.1	1019.4
22.5°	917.1	919.8	931.4	928.0	921.9
25°	788.2	788.2	800.5	799.1	788.2
27.5°	620.5	625.3	632.8	636.2	628.0
30°	432.3	443.2	443.2	450.0	446.6
32.5°	241.4	264.6	270.0	273.4	259.8
35°	116.6	124.1	140.5	128.2	120.0
37.5°	55.9	59.3	75.7	61.4	57.3
40°	28.0	32.0	40.2	33.4	28.6
42.5°	11.6	17.0	21.1	17.0	11.6
45°	2.7	6.8	13.0	6.8	2.0
47.5°	0.0	0.7	6.1	1.4	0.0
50°	0.0	0.0	2.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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)