

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: P1318098

Luminaire Tested: LDSQA3D05R409830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

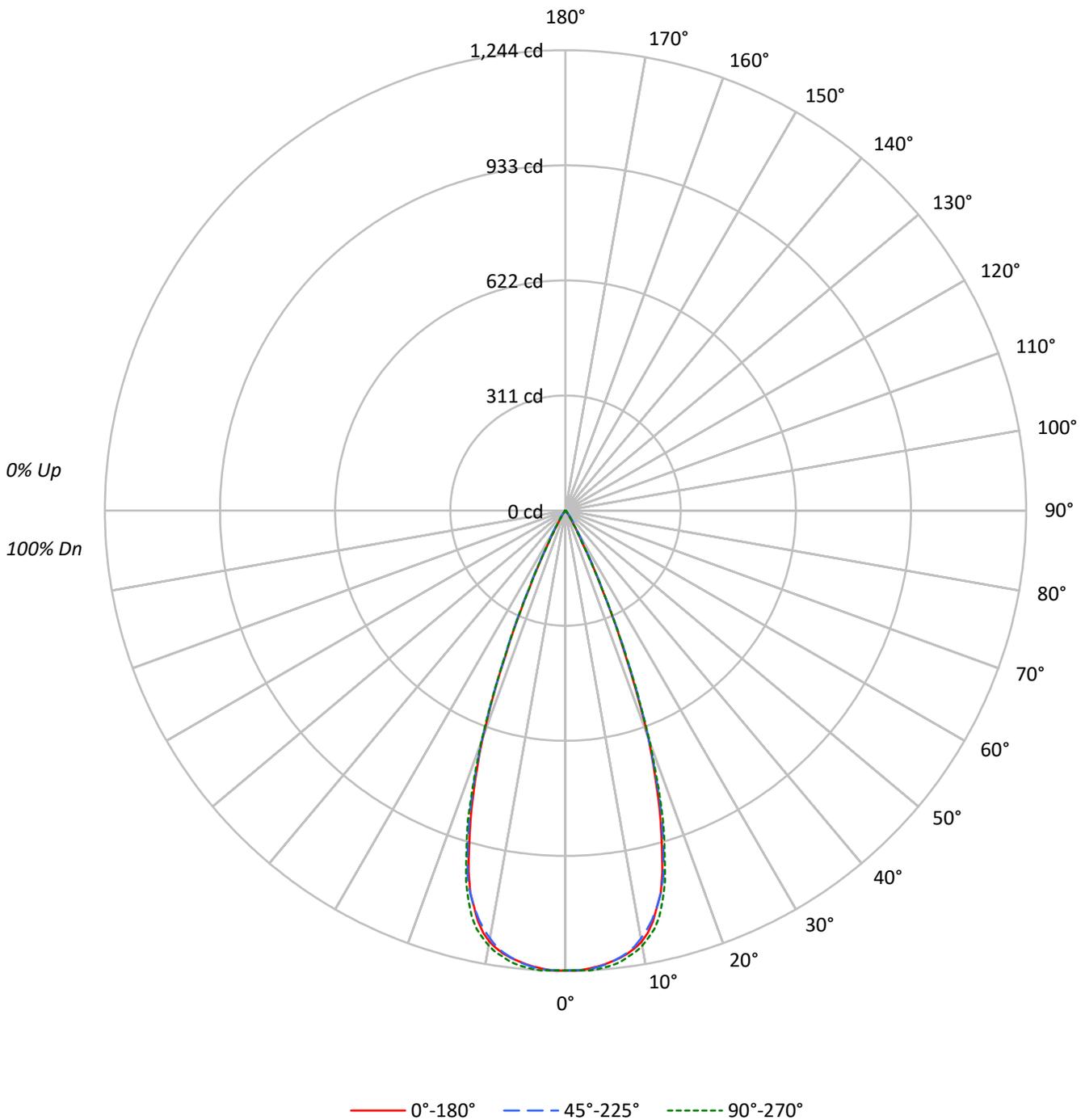
Test Method: LM-79-2019  
Report Number: P1318098  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R409830DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 526.0 lumens  
Efficiency: N/A  
Efficacy: 73.1 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 (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	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	71	69	69	69	69	68

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

	0°	45°	90°
0°	214038	214038	214038
5°	212626	212937	214095
10°	206865	205308	208736
15°	180241	182096	184931
20°	120064	120669	121823
25°	43649	44979	43858
30°	9267	12429	9267
35°	3259	5529	3112
40°	1169	1754	1169
45°	268	731	268
50°	188	295	188
55°	210	210	210
60°	241	241	241
65°	163	285	163
70°	201	201	201
75°	266	266	266
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 731 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.1	22.1
10°-20°	270.6	51.5
20°-30°	121.8	23.2
30°-40°	13.9	2.6
40°-50°	2.0	0.4
50°-60°	0.6	0.1
60°-70°	0.6	0.1
70°-80°	0.4	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
0°-30°	508.6	96.7
0°-40°	522.4	99.3
0°-60°	525.0	99.8
0°-90°	526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	526.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1243	1243	1243	1243	1243	
5°	1230	1228	1232	1237	1238	116
15°	1011	1014	1021	1029	1037	268
25°	230	231	237	237	231	119
35°	16	17	26	17	15	12
45°	1	2	3	2	1	1
55°	1	1	1	1	1	1
65°	0	1	1	1	0	1
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°	1242.8	1242.8	1242.8	1242.8	1242.8
1°	1243.6	1242.5	1242.1	1244.3	1242.5
2°	1242.5	1241.7	1242.1	1244.3	1242.8
3°	1239.1	1239.5	1240.6	1244.7	1244.3
4°	1235.1	1234.7	1236.9	1242.1	1242.1
5°	1229.9	1228.4	1231.7	1237.3	1238.4
6°	1224.0	1222.1	1224.7	1231.7	1234.3
7°	1217.3	1213.6	1215.8	1224.3	1227.7
8°	1208.4	1203.6	1206.2	1214.7	1217.3
9°	1197.3	1189.9	1192.2	1202.5	1207.7
10°	1182.9	1173.7	1174.0	1185.5	1193.6
11°	1162.6	1152.2	1152.6	1167.0	1175.5
12°	1135.6	1126.3	1128.2	1141.5	1155.2
13°	1098.9	1096.4	1098.6	1113.0	1125.6
14°	1063.4	1060.8	1064.9	1078.2	1084.1
15°	1010.9	1013.5	1021.3	1029.4	1037.2
17.5°	844.5	854.4	863.7	869.2	875.9
20°	655.1	643.6	658.4	651.7	664.7
22.5°	422.8	431.3	435.0	431.3	432.8
25°	229.7	231.2	236.7	236.7	230.8
27.5°	97.7	105.4	112.4	109.9	97.7
30°	46.6	53.6	62.5	54.0	46.6
32.5°	26.3	31.1	40.3	30.3	25.5
35°	15.5	17.4	26.3	16.6	14.8
37.5°	9.2	9.6	14.4	10.0	8.9
40°	5.2	6.3	7.8	6.3	5.2
42.5°	2.6	3.7	4.8	3.7	2.6
45°	1.1	1.8	3.0	1.8	1.1
47.5°	1.1	1.1	1.8	1.1	1.1
50°	0.7	0.7	1.1	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°	0.4	0.7	0.7	0.7	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
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)