

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: P1318081

Luminaire Tested: LDSQA3D05R359830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

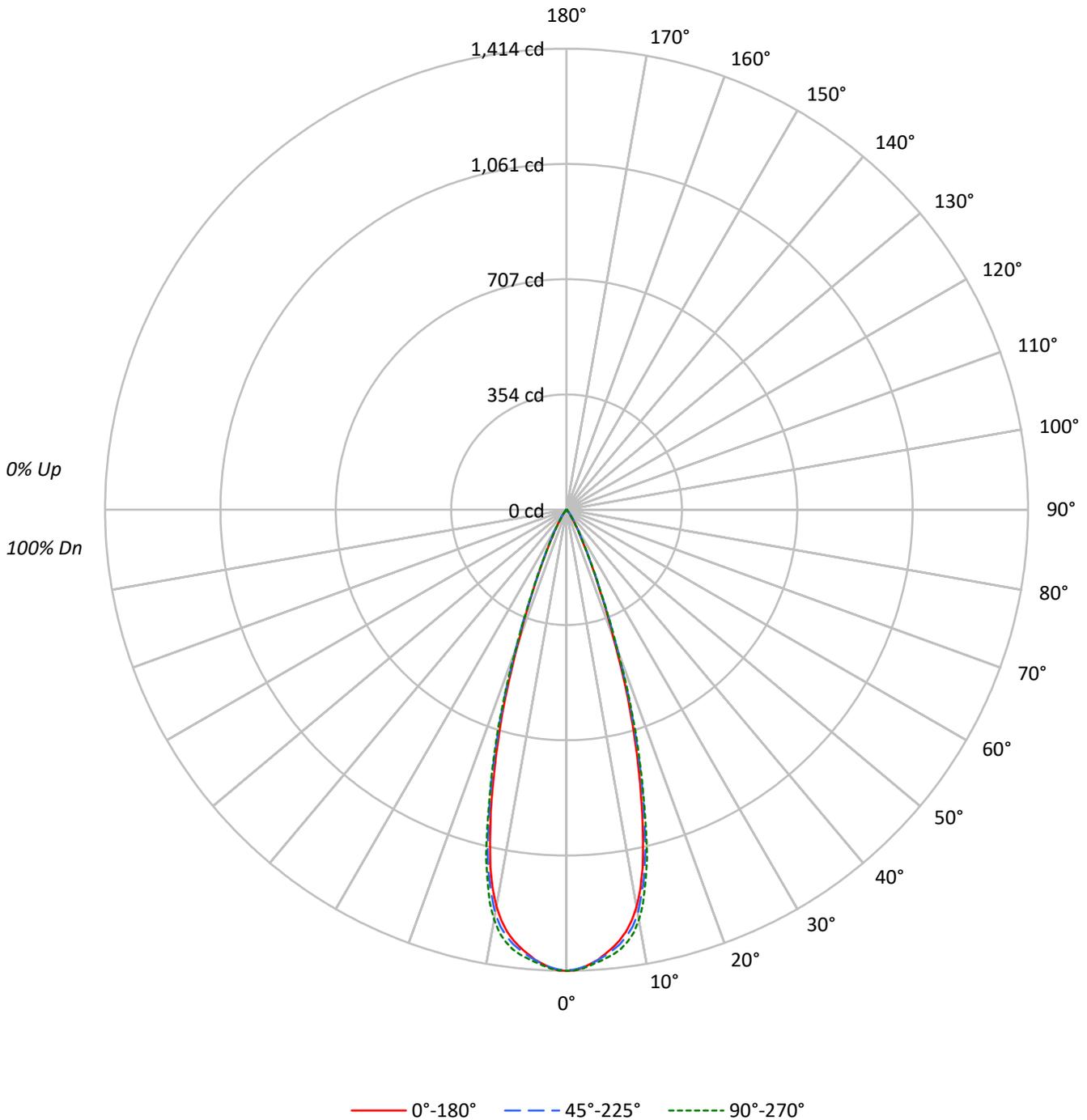
Test Method: LM-79-2019  
Report Number: P1318081  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R359830DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 475.0 lumens  
Efficiency: N/A  
Efficacy: 66.0 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	71	70

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

	0°	45°	90°
0°	243540	243540	243540
5°	236328	237157	238765
10°	216186	219946	223304
15°	155173	160860	162519
20°	78057	82602	82804
25°	29587	30499	30632
30°	12011	13781	11793
35°	4373	6623	4205
40°	1844	2833	1754
45°	463	1169	463
50°	295	509	295
55°	330	330	330
60°	379	379	379
65°	285	285	285
70°	201	201	201
75°	266	266	266
80°	397	397	397
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1169 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.8	26.9
10°-20°	238.2	50.1
20°-30°	85.7	18.0
30°-40°	18.0	3.8
40°-50°	3.1	0.7
50°-60°	1.0	0.2
60°-70°	0.7	0.1
70°-80°	0.4	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°	451.7	95.1
0°-40°	469.7	98.9
0°-60°	473.8	99.7
0°-90°	475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	475.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1414	1414	1414	1414	1414	
5°	1367	1370	1372	1381	1381	127
15°	870	886	902	912	912	232
25°	156	158	160	162	161	83
35°	21	24	32	24	20	16
45°	2	3	5	3	2	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	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°	1414.1	1414.1	1414.1	1414.1	1414.1
1°	1413.3	1413.3	1410.4	1413.7	1412.6
2°	1405.6	1406.3	1404.4	1408.5	1408.2
3°	1394.8	1396.7	1395.2	1401.1	1399.3
4°	1383.3	1384.8	1384.1	1391.5	1390.7
5°	1367.0	1369.6	1371.8	1381.1	1381.1
6°	1350.3	1352.9	1357.7	1367.7	1371.1
7°	1331.1	1334.4	1342.2	1355.5	1357.7
8°	1306.6	1310.3	1321.0	1335.5	1338.5
9°	1276.2	1281.8	1294.0	1311.4	1313.3
10°	1236.2	1240.6	1257.7	1272.1	1276.9
11°	1184.3	1188.0	1203.2	1226.5	1229.5
12°	1121.3	1125.7	1145.4	1160.5	1163.5
13°	1041.6	1050.1	1073.8	1088.6	1096.8
14°	959.6	971.1	988.2	1009.3	1004.1
15°	870.3	885.5	902.2	911.8	911.5
17.5°	651.3	660.2	675.0	680.5	688.0
20°	425.9	437.4	450.7	455.9	451.8
22.5°	264.3	267.2	271.3	273.5	272.8
25°	155.7	157.9	160.5	162.0	161.2
27.5°	93.8	99.0	102.7	98.2	95.6
30°	60.4	62.6	69.3	63.4	59.3
32.5°	36.0	41.1	46.7	39.7	34.5
35°	20.8	24.5	31.5	24.1	20.0
37.5°	13.3	15.2	20.4	14.8	13.0
40°	8.2	10.4	12.6	9.6	7.8
42.5°	4.1	6.3	7.4	5.6	4.1
45°	1.9	3.0	4.8	3.0	1.9
47.5°	1.1	1.5	3.0	1.5	1.1
50°	1.1	1.1	1.9	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	1.1	1.1	1.1	1.1	1.1
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
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°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	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)