

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: P1318082

Luminaire Tested: LDSQA3D05R359830DE010 3LSQPHR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318082  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R359830DE010 3LSQPHR1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , 3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

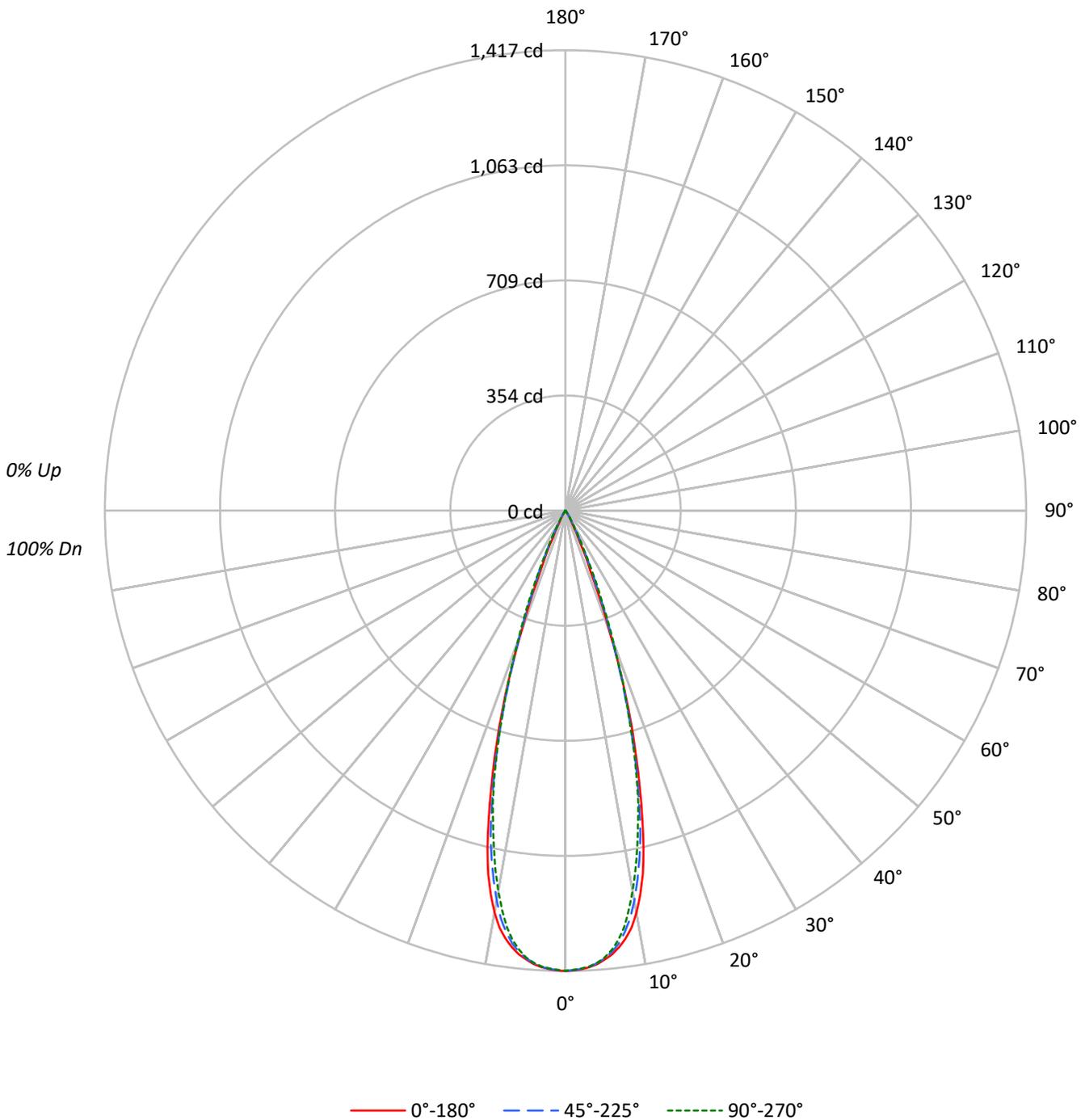
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 430.0 lumens  
Efficiency: N/A  
Efficacy: 59.7 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	92	91
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90	89	87
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	85	82
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	83	80
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	80	77
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80	78	75
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	76	74	71
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	74	72	69
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	72	70	67

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

	0°	45°	90°
0°	243988	243988	243988
5°	239803	239284	238765
10°	219771	213161	207984
15°	157366	152356	150501
20°	72980	75491	78130
25°	17311	24627	25692
30°	5091	5827	6563
35°	1177	1871	1703
40°	247	495	337
45°	97	97	97
50°	107	0	107
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: 0°  
 Vertical Angle: 52.5°  
 Luminance: 113 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.2	29.6
10°-20°	227.4	52.9
20°-30°	68.4	15.9
30°-40°	6.5	1.5
40°-50°	0.5	0.1
50°-60°	0.0	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
0°-30°	423.0	98.4
0°-40°	429.5	99.9
0°-60°	430.0	100.0
0°-90°	430.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	430.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1417	1417	1417	1417	1417	
5°	1387	1387	1384	1382	1381	129
15°	883	876	854	851	844	233
25°	91	100	130	135	135	59
35°	6	7	9	10	8	5
45°	0	0	0	0	0	0
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°	1416.7	1416.7	1416.7	1416.7	1416.7
1°	1416.0	1416.0	1415.2	1415.2	1413.7
2°	1412.6	1413.0	1411.5	1411.1	1410.0
3°	1407.4	1406.3	1406.3	1405.6	1404.8
4°	1399.3	1397.1	1396.3	1396.7	1395.2
5°	1387.1	1386.7	1384.1	1382.3	1381.1
6°	1373.7	1371.1	1365.6	1360.8	1359.7
7°	1353.7	1348.2	1343.4	1333.4	1331.9
8°	1329.3	1320.4	1310.0	1296.0	1295.2
9°	1299.3	1284.8	1270.4	1251.5	1244.8
10°	1256.7	1243.4	1218.9	1202.3	1189.3
11°	1203.7	1187.1	1158.5	1138.5	1127.8
12°	1143.7	1128.2	1094.8	1076.7	1061.5
13°	1066.7	1053.7	1022.6	1002.6	990.8
14°	977.4	967.8	938.2	929.3	925.2
15°	882.6	875.9	854.5	850.8	844.1
17.5°	649.6	638.5	626.3	628.5	630.8
20°	398.2	413.7	411.9	420.0	426.3
22.5°	198.5	218.5	241.9	255.9	263.0
25°	91.1	100.4	129.6	135.2	135.2
27.5°	45.9	48.1	61.1	62.2	65.2
30°	25.6	27.4	29.3	32.6	33.0
32.5°	13.0	15.2	15.9	17.8	17.0
35°	5.6	7.4	8.9	9.6	8.1
37.5°	2.6	3.3	4.8	4.4	3.3
40°	1.1	1.5	2.2	1.9	1.5
42.5°	0.7	0.7	1.1	0.7	0.7
45°	0.4	0.4	0.4	0.4	0.4
47.5°	0.4	0.4	0.0	0.4	0.4
50°	0.4	0.0	0.0	0.0	0.4
52.5°	0.4	0.0	0.0	0.0	0.4
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)