

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: P1318049

Luminaire Tested: LDSQA3D05R259830DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

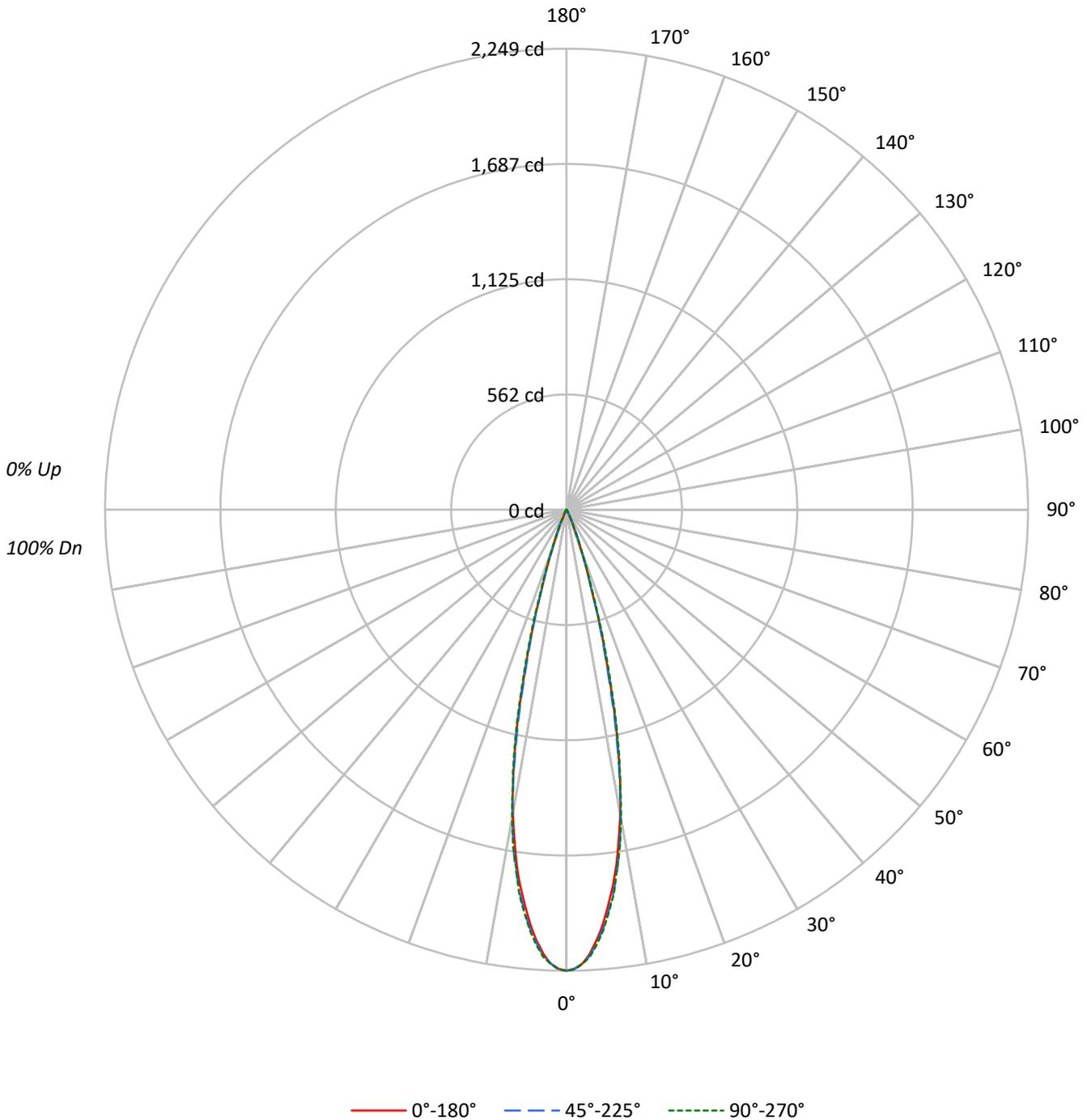
Test Method: LM-79-2019  
Report Number: P1318049  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R259830DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 415.0 lumens  
Efficiency: N/A  
Efficacy: 57.6 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
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

TEST NUMBER: P1318049  
CATALOG NUMBER: LDSQA3D05R259830DE010 3LSQPHR1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P1318049

CATALOG NUMBER: LDSQA3D05R259830DE010 3LSQPHR1MMS

**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	100	100	99	97
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	96	95
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	94	94	93
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	92	92	91
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	89	88
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	87	86	85
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	85	84	83
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	84	83	82
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	85	84	83	82	81	80
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	80	79	78
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	79	78	77	76

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

	0°	45°	90°
0°	387277	387277	387277
5°	350947	354146	355875
10°	263823	265712	266936
15°	130639	126734	135186
20°	36893	37498	37901
25°	6404	12086	7601
30°	2506	2585	2645
35°	778	862	862
40°	247	337	247
45°	170	97	170
50°	107	0	107
55°	120	0	120
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: 45°

Luminance: 170 cd/sqm



TEST NUMBER: P1318049

CATALOG NUMBER: LDSQA3D05R259830DE010 3LSQPHR1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.6	43.0
10°-20°	201.5	48.5
20°-30°	31.3	7.5
30°-40°	3.2	0.8
40°-50°	0.4	0.1
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
0°-30°	411.3	99.1
0°-40°	414.5	99.9
0°-60°	415.0	100.0
0°-90°	415.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	415.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2249	2249	2249	2249	2249	
5°	2030	2034	2048	2057	2058	177
15°	733	728	711	743	758	201
25°	34	50	64	48	40	28
35°	4	4	4	4	4	3
45°	1	0	0	0	1	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



TEST NUMBER: P1318049

CATALOG NUMBER: LDSQA3D05R259830DE010 3LSQPHR1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2248.7	2248.7	2248.7	2248.7	2248.7
1°	2239.4	2242.4	2239.1	2242.8	2242.4
2°	2216.1	2219.1	2215.0	2217.2	2217.2
3°	2168.4	2174.7	2178.4	2181.0	2183.2
4°	2105.5	2112.5	2118.1	2124.7	2124.7
5°	2030.0	2033.7	2048.5	2056.6	2058.5
6°	1940.1	1954.9	1966.0	1982.3	1972.3
7°	1850.2	1862.4	1877.9	1880.5	1887.5
8°	1748.0	1761.0	1775.4	1772.8	1766.9
9°	1623.7	1642.6	1659.6	1654.0	1661.4
10°	1508.6	1520.1	1519.4	1513.8	1526.4
11°	1375.0	1377.6	1363.2	1385.8	1372.1
12°	1216.7	1218.9	1200.4	1222.6	1236.6
13°	1065.0	1059.8	1034.2	1063.5	1081.2
14°	890.3	892.1	859.6	916.2	911.8
15°	732.7	727.5	710.8	742.7	758.2
17.5°	390.4	393.7	389.6	405.6	415.5
20°	201.3	206.8	204.6	211.3	206.8
22.5°	104.3	112.1	114.3	109.2	95.1
25°	33.7	50.0	63.6	48.5	40.0
27.5°	20.4	20.0	31.1	21.5	21.8
30°	12.6	12.2	13.0	13.0	13.3
32.5°	7.0	7.4	7.0	7.8	7.4
35°	3.7	4.1	4.1	4.4	4.1
37.5°	2.2	2.6	2.6	2.6	2.2
40°	1.1	1.5	1.5	1.1	1.1
42.5°	0.7	0.7	0.7	0.7	0.7
45°	0.7	0.4	0.4	0.4	0.7
47.5°	0.4	0.4	0.0	0.4	0.4
50°	0.4	0.4	0.0	0.4	0.4
52.5°	0.4	0.0	0.0	0.0	0.4
55°	0.4	0.0	0.0	0.0	0.4
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



TEST NUMBER: P1318049

CATALOG NUMBER: LDSQA3D05R259830DE010 3LSQPHR1MMS

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)