

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: P1319819

Luminaire Tested: LDSQA3D05R309840DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319819  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309840DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

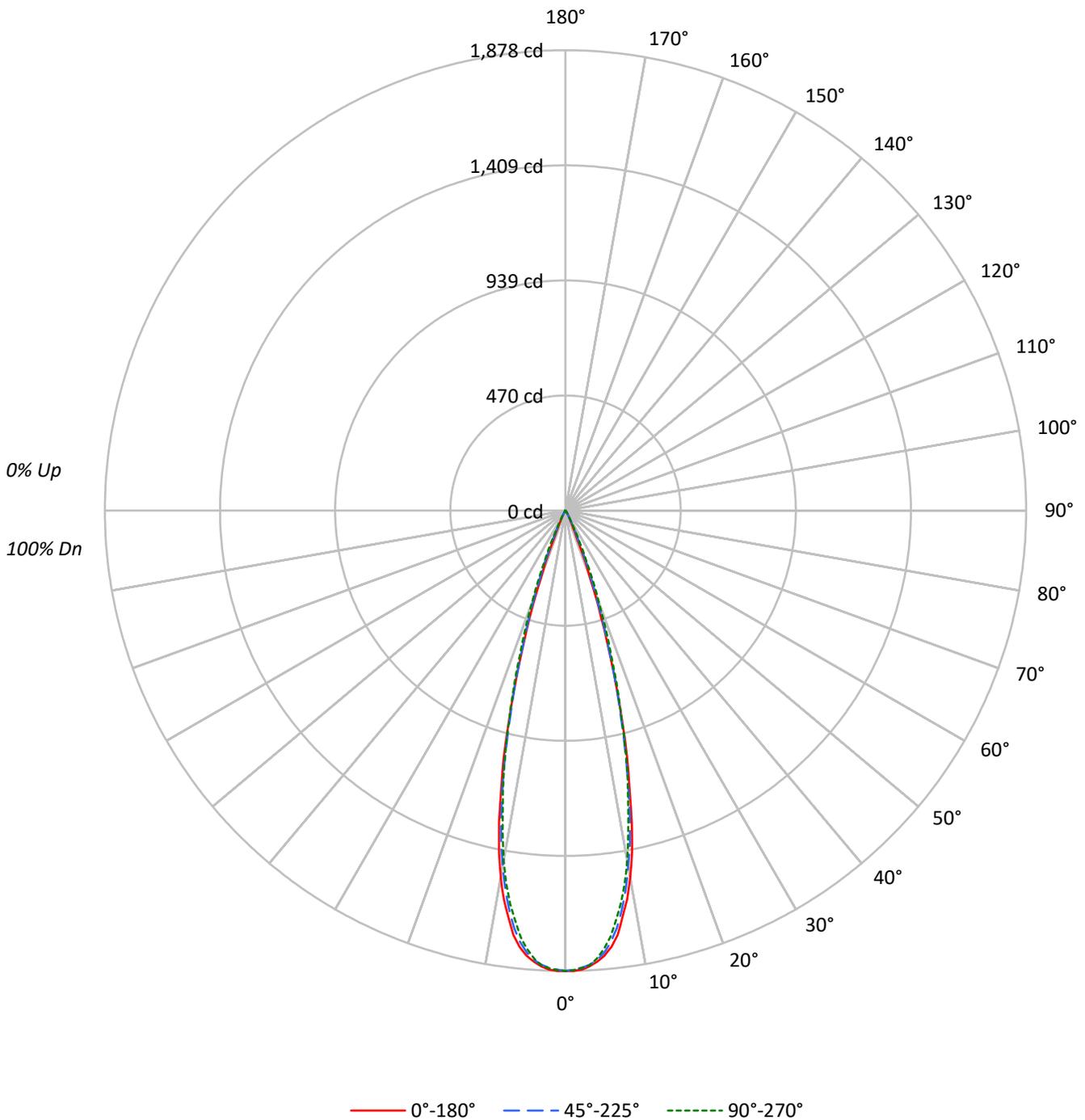
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 455.0 lumens  
Efficiency: N/A  
Efficacy: 63.2 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
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: P1319819  
CATALOG NUMBER: LDSQA3D05R309840DE010 3LSQPHR1MW

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

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

	0°	45°	90°
0°	323400	323400	323400
5°	315075	312896	310321
10°	265887	257737	253540
15°	160236	155761	158632
20°	54360	62772	72394
25°	9995	15658	18490
30°	3440	3818	4295
35°	988	1240	1325
40°	270	450	360
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



TEST NUMBER: P1319819

CATALOG NUMBER: LDSQA3D05R309840DE010 3LSQPHR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.4	35.7
10°-20°	237.3	52.2
20°-30°	50.2	11.0
30°-40°	4.6	1.0
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°	449.9	98.9
0°-40°	454.5	99.9
0°-60°	455.0	100.0
0°-90°	455.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	455.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1878	1878	1878	1878	1878	
5°	1822	1819	1810	1804	1795	165
15°	899	896	874	894	890	237
25°	53	59	82	97	97	38
35°	5	6	6	7	6	4
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



TEST NUMBER: P1319819

CATALOG NUMBER: LDSQA3D05R309840DE010 3LSQPHR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1877.8	1877.8	1877.8	1877.8	1877.8
1°	1878.2	1876.2	1873.5	1877.4	1874.7
2°	1874.3	1869.6	1865.6	1869.6	1868.4
3°	1862.5	1858.6	1855.8	1857.8	1857.8
4°	1844.9	1840.5	1838.2	1838.6	1832.7
5°	1822.5	1819.0	1809.9	1804.4	1795.0
6°	1789.5	1780.9	1769.9	1760.9	1748.7
7°	1744.8	1731.5	1715.8	1700.1	1684.8
8°	1673.0	1666.8	1645.6	1635.0	1619.7
9°	1605.6	1590.3	1567.5	1550.3	1542.0
10°	1520.4	1497.7	1473.8	1460.0	1449.8
11°	1419.6	1396.5	1377.3	1357.3	1341.6
12°	1301.2	1281.6	1259.6	1246.2	1227.8
13°	1160.7	1158.0	1133.3	1129.0	1126.6
14°	1040.3	1029.3	1005.0	1011.7	1013.2
15°	898.7	895.6	873.6	894.0	889.7
17.5°	562.9	564.1	577.8	610.0	620.2
20°	296.6	305.6	342.5	381.3	395.0
22.5°	120.0	140.0	177.7	204.0	221.6
25°	52.6	58.8	82.4	96.9	97.3
27.5°	29.8	30.2	39.6	41.2	42.0
30°	17.3	17.7	19.2	20.4	21.6
32.5°	9.4	10.2	10.6	12.2	12.2
35°	4.7	5.9	5.9	7.1	6.3
37.5°	2.7	3.1	3.5	3.5	3.1
40°	1.2	1.6	2.0	2.0	1.6
42.5°	0.4	0.8	0.8	0.8	1.2
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



TEST NUMBER: P1319819  
CATALOG NUMBER: LDSQA3D05R309840DE010 3LSQPHR1MW

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)