

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: P1319836

Luminaire Tested: LDSQA3D05R359840DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319836
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: LDSQA3D05R359840DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

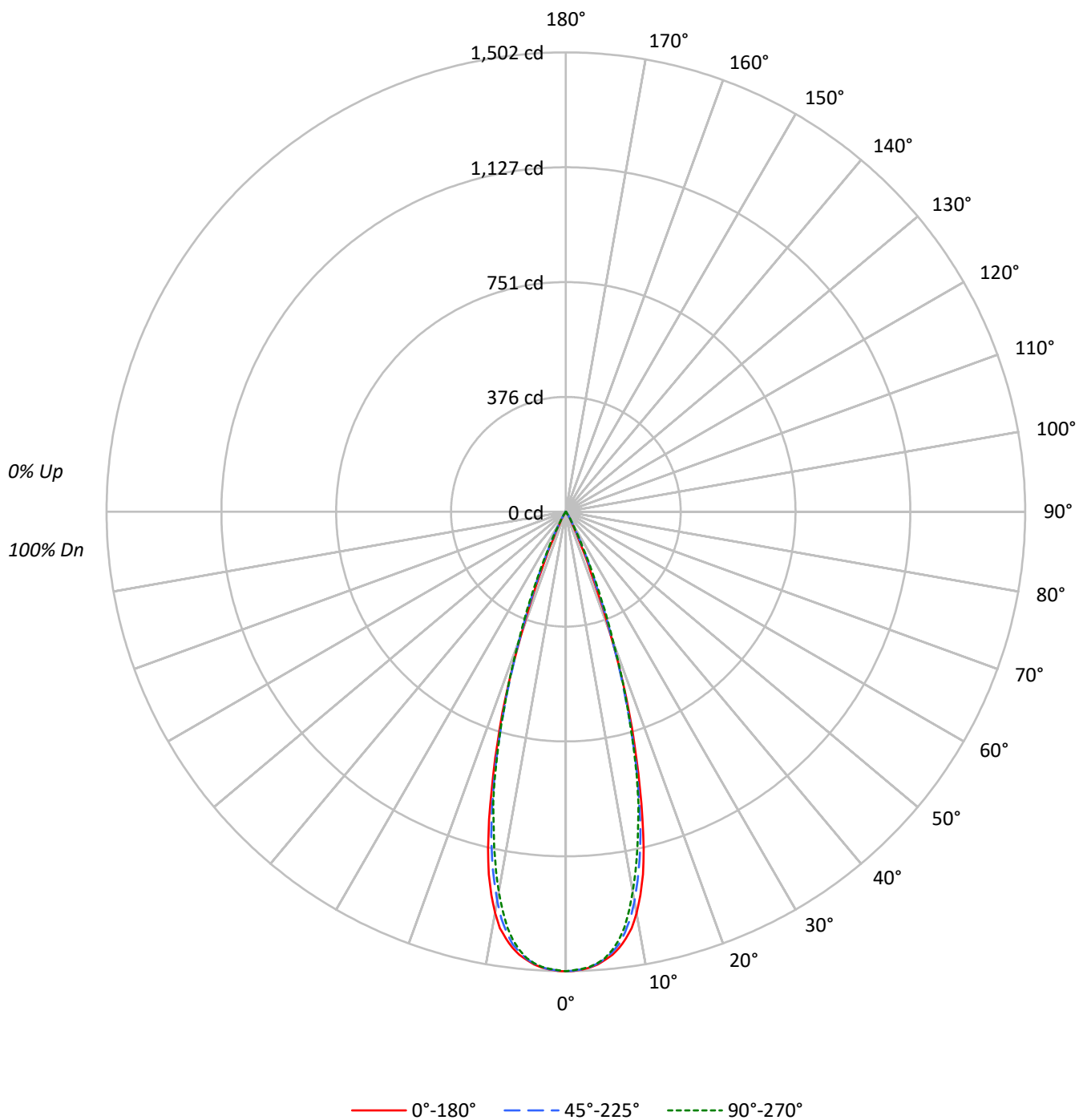
Lumens per Lamp: N/A
Luminaire Lumens: 456.0 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1319836

CATALOG NUMBER: LDSQA3D05R359840DE010 3LSQPHR1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1319836

CATALOG NUMBER: LDSQA3D05R359840DE010 3LSQPHR1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					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	94	93	92
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	91	90	89
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	88	87	86
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	83
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	81	80
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80	79	78
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77	76	75
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75	74	73
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	258747	258747	258747
5°	254290	253754	253218
10°	233062	226049	220558
15°	166887	161556	159595
20°	77379	80055	82859
25°	18357	26129	27250
30°	5389	6165	6960
35°	1240	1976	1808
40°	270	540	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: P1319836

CATALOG NUMBER: LDSQA3D05R359840DE010 3LSQPHR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.9	29.6
10°-20°	241.1	52.9
20°-30°	72.5	15.9
30°-40°	6.9	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°	448.6	98.4
0°-40°	455.5	99.9
0°-60°	456.0	100.0
0°-90°	456.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	456.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1502	1502	1502	1502	1502	
5°	1471	1470	1468	1466	1465	136
15°	936	929	906	902	895	247
25°	97	106	138	143	143	62
35°	6	8	9	10	9	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	

TEST NUMBER: P1319836

CATALOG NUMBER: LDSQA3D05R359840DE010 3LSQPHR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1502.4	1502.4	1502.4	1502.4	1502.4
1°	1501.6	1501.6	1500.8	1500.8	1499.2
2°	1498.0	1498.4	1496.9	1496.5	1495.3
3°	1492.5	1491.4	1491.4	1490.6	1489.8
4°	1483.9	1481.5	1480.8	1481.2	1479.6
5°	1470.9	1470.5	1467.8	1465.8	1464.7
6°	1456.8	1454.1	1448.2	1443.1	1441.9
7°	1435.6	1429.7	1424.6	1414.0	1412.4
8°	1409.7	1400.2	1389.2	1374.3	1373.5
9°	1377.9	1362.5	1347.2	1327.2	1320.1
10°	1332.7	1318.5	1292.6	1274.9	1261.2
11°	1276.5	1258.8	1228.6	1207.4	1196.0
12°	1212.9	1196.4	1161.0	1141.8	1125.7
13°	1131.2	1117.4	1084.5	1063.2	1050.7
14°	1036.5	1026.3	994.9	985.5	981.2
15°	936.0	928.9	906.1	902.2	895.1
17.5°	688.9	677.1	664.2	666.5	668.9
20°	422.2	438.7	436.8	445.4	452.1
22.5°	210.5	231.7	256.5	271.4	278.9
25°	96.6	106.4	137.5	143.4	143.4
27.5°	48.7	51.1	64.8	66.0	69.1
30°	27.1	29.1	31.0	34.6	35.0
32.5°	13.7	16.1	16.9	18.9	18.1
35°	5.9	7.9	9.4	10.2	8.6
37.5°	2.7	3.5	5.1	4.7	3.5
40°	1.2	1.6	2.4	2.0	1.6
42.5°	0.8	0.8	1.2	0.8	0.8
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: P1319836

CATALOG NUMBER: LDSQA3D05R359840DE010 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)