

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: P1317171

Luminaire Tested: LDSQA3D05R259827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259827DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

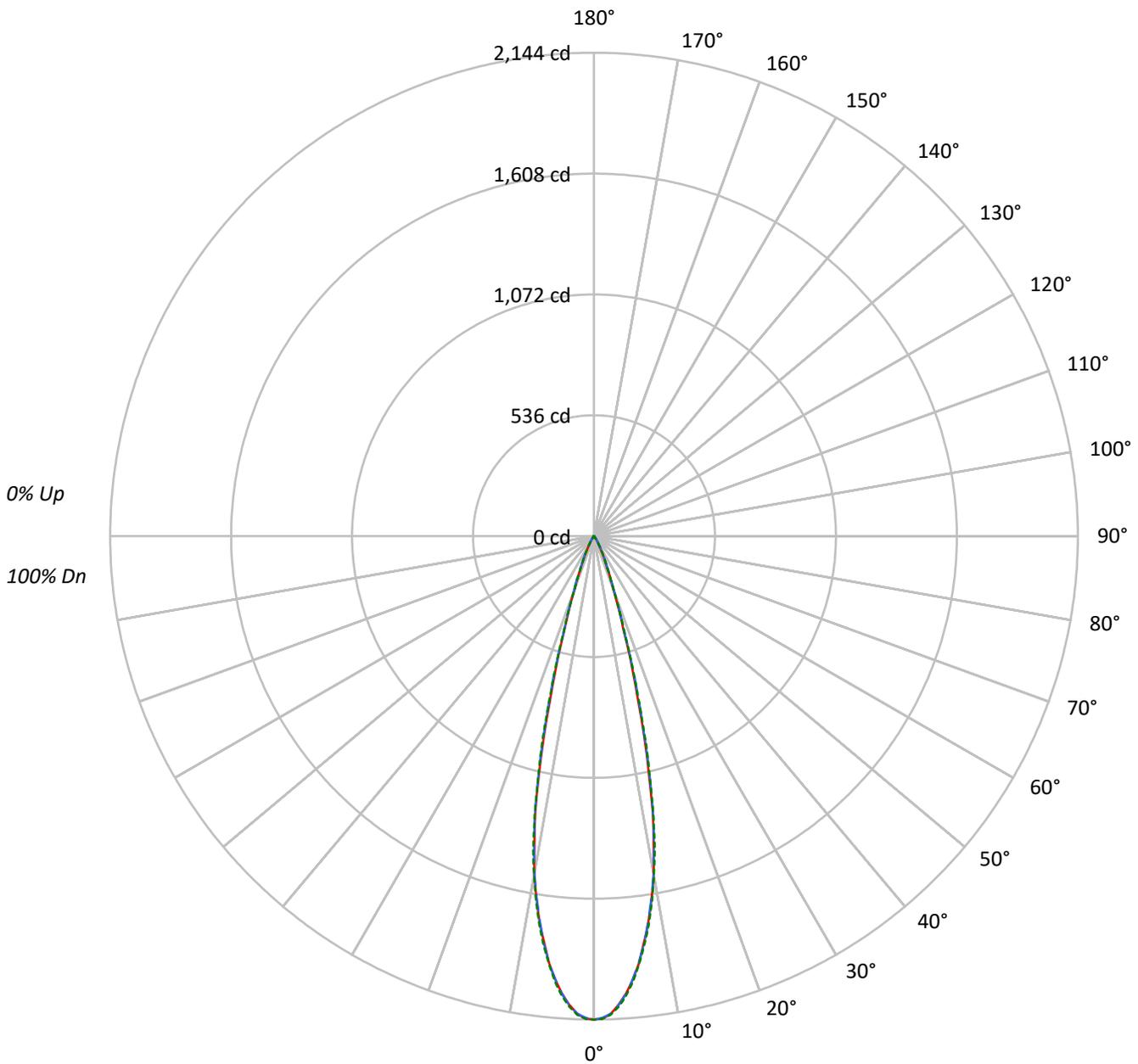
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 453.0 lumens
Efficiency: N/A
Efficacy: 62.9 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
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_{in}): 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: P1317171
CATALOG NUMBER: LDSQA3D05R259827DE010 3LSQCDR1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1317171

CATALOG NUMBER: LDSQA3D05R259827DE010 3LSQCDR1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	369297	369297	369297
5°	341111	340990	342908
10°	266464	265729	267548
15°	134044	139643	139518
20°	45874	47138	46369
25°	18433	20732	19212
30°	7477	8929	7278
35°	2187	3911	2187
40°	1012	1709	1012
45°	341	682	341
50°	188	268	188
55°	210	210	210
60°	241	241	241
65°	122	122	122
70°	151	151	151
75°	200	200	200
80°	0	298	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 682 cd/sqm



TEST NUMBER: P1317171

CATALOG NUMBER: LDSQA3D05R259827DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.0	38.4
10°-20°	212.9	47.0
20°-30°	52.0	11.5
30°-40°	10.8	2.4
40°-50°	1.9	0.4
50°-60°	0.6	0.1
60°-70°	0.5	0.1
70°-80°	0.3	0.1
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°	438.9	96.9
0°-40°	449.7	99.3
0°-60°	452.2	99.8
0°-90°	453.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	453.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2144	2144	2144	2144	2144	
5°	1973	1975	1972	1977	1984	174
15°	752	765	783	787	782	210
25°	97	102	109	103	101	50
35°	10	14	19	14	10	9
45°	1	2	3	2	1	1
55°	1	1	1	1	1	1
65°	0	1	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: P1317171
 CATALOG NUMBER: LDSQA3D05R259827DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2144.3	2144.3	2144.3	2144.3	2144.3
1°	2140.2	2137.4	2136.7	2137.1	2140.5
2°	2120.9	2119.1	2118.8	2119.8	2124.6
3°	2081.5	2083.6	2084.3	2087.7	2090.1
4°	2033.2	2037.3	2035.6	2039.7	2042.5
5°	1973.1	1974.8	1972.4	1976.6	1983.5
6°	1903.0	1896.8	1902.7	1904.4	1909.2
7°	1815.7	1817.1	1819.2	1821.2	1828.5
8°	1729.8	1725.6	1724.6	1734.2	1740.1
9°	1629.3	1630.0	1626.2	1637.2	1639.0
10°	1523.7	1515.0	1519.5	1528.2	1529.9
11°	1384.2	1381.8	1388.4	1401.8	1412.5
12°	1253.4	1254.8	1261.7	1266.2	1263.7
13°	1080.4	1090.8	1099.4	1103.9	1098.1
14°	924.1	924.1	935.1	936.8	957.9
15°	751.8	764.6	783.2	786.7	782.5
17.5°	434.2	436.0	445.0	444.6	451.2
20°	250.3	252.7	257.2	256.1	253.0
22.5°	150.5	155.7	166.4	157.8	155.3
25°	97.0	101.5	109.1	102.9	101.1
27.5°	60.8	63.9	69.7	64.2	61.4
30°	37.6	39.4	44.9	39.7	36.6
32.5°	20.4	24.9	29.3	24.9	20.4
35°	10.4	14.5	18.6	14.2	10.4
37.5°	6.9	8.3	12.1	7.9	6.9
40°	4.5	5.5	7.6	5.5	4.5
42.5°	2.4	3.5	4.1	3.8	2.4
45°	1.4	2.1	2.8	2.1	1.4
47.5°	1.0	1.0	1.7	1.0	0.7
50°	0.7	0.7	1.0	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.3	0.7	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.3	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: P1317171
CATALOG NUMBER: LDSQA3D05R259827DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)