

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: P1324727

Luminaire Tested: LDSQA3D05R30W2N902750DE010 3LSQPHR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324727
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: LDSQA3D05R30W2N902750DE010 3LSQPHR1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,
3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

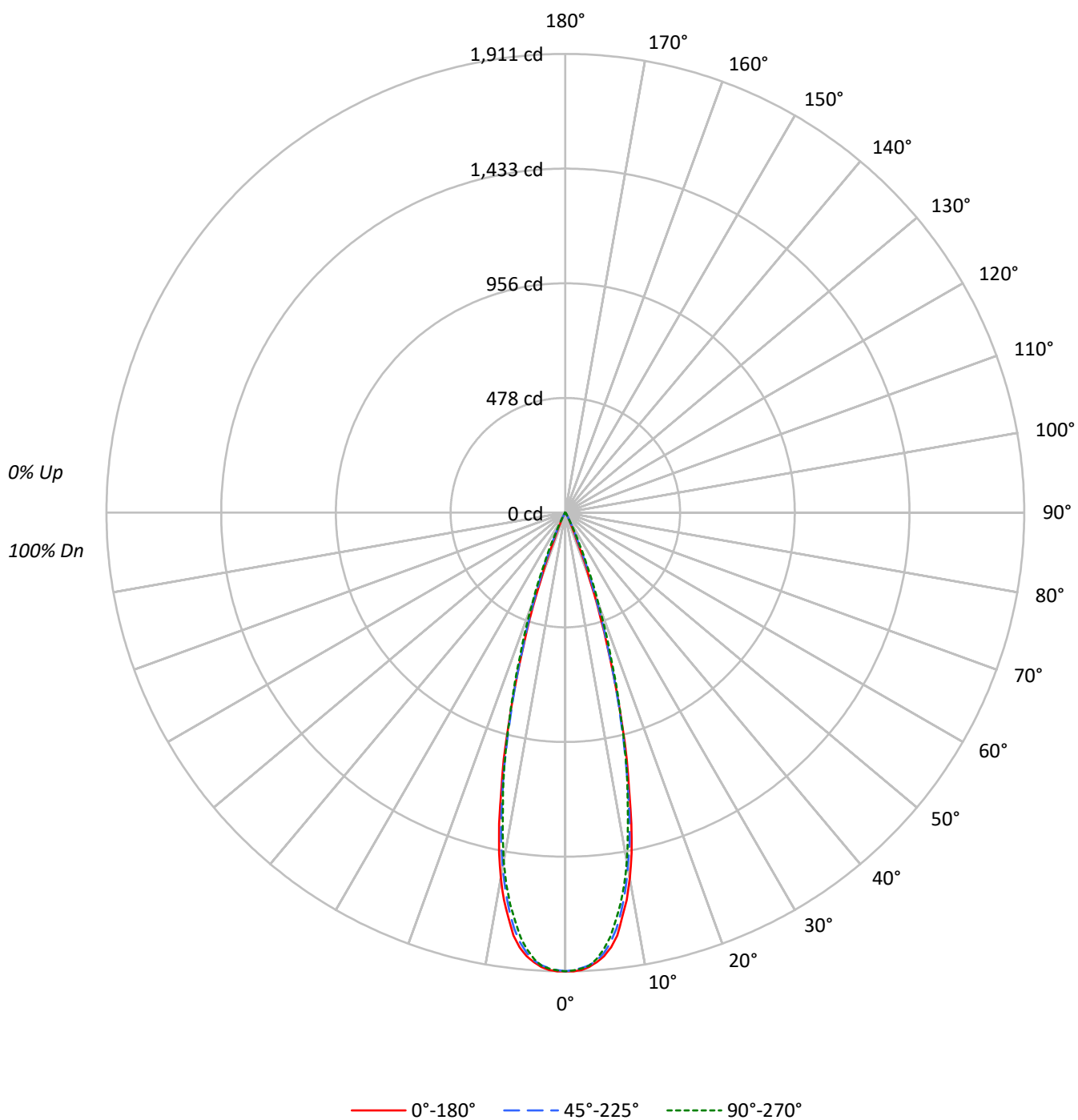
Lumens per Lamp: N/A
Luminaire Lumens: 463.0 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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: P1324727

CATALOG NUMBER: LDSQA3D05R30W2N902750DE010 3LSQPHR1MW_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1324727

CATALOG NUMBER: LDSQA3D05R30W2N902750DE010 3LSQPHR1MW_5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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	99
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	329083	329083	329083
5°	320607	318411	315784
10°	270573	262267	258000
15°	163054	158489	161413
20°	55313	63872	73677
25°	10166	15924	18813
30°	3500	3898	4375
35°	1009	1261	1346
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: P1324727

CATALOG NUMBER: LDSQA3D05R30W2N902750DE010 3LSQPHR1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.2	35.7
10°-20°	241.5	52.2
20°-30°	51.1	11.0
30°-40°	4.7	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°	457.8	98.9
0°-40°	462.5	99.9
0°-60°	463.0	100.0
0°-90°	463.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	463.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1911	1911	1911	1911	1911	
5°	1854	1851	1842	1836	1827	167
15°	914	911	889	910	905	241
25°	54	60	84	99	99	39
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	

TEST NUMBER: P1324727

CATALOG NUMBER: LDSQA3D05R30W2N902750DE010 3LSQPHR1MW_5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1910.8	1910.8	1910.8	1910.8	1910.8
1°	1911.2	1909.2	1906.4	1910.4	1907.6
2°	1907.2	1902.4	1898.4	1902.4	1901.2
3°	1895.3	1891.3	1888.5	1890.5	1890.5
4°	1877.3	1872.9	1870.5	1870.9	1864.9
5°	1854.5	1850.9	1841.8	1836.2	1826.6
6°	1821.0	1812.2	1801.0	1791.9	1779.5
7°	1775.5	1761.9	1746.0	1730.0	1714.4
8°	1702.5	1696.1	1674.5	1663.7	1648.2
9°	1633.8	1618.2	1595.1	1577.5	1569.1
10°	1547.2	1524.0	1499.7	1485.7	1475.3
11°	1444.6	1421.0	1401.5	1381.1	1365.2
12°	1324.0	1304.1	1281.7	1268.2	1249.4
13°	1181.1	1178.3	1153.2	1148.8	1146.4
14°	1058.6	1047.4	1022.7	1029.5	1031.1
15°	914.5	911.3	888.9	909.7	905.3
17.5°	572.8	574.0	588.0	620.7	631.1
20°	301.8	311.0	348.5	388.0	402.0
22.5°	122.1	142.5	180.8	207.6	225.5
25°	53.5	59.9	83.8	98.6	99.0
27.5°	30.3	30.7	40.3	41.9	42.7
30°	17.6	18.0	19.6	20.8	22.0
32.5°	9.6	10.4	10.8	12.4	12.4
35°	4.8	6.0	6.0	7.2	6.4
37.5°	2.8	3.2	3.6	3.6	3.2
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: P1324727

CATALOG NUMBER: LDSQA3D05R30W2N902750DE010 3LSQPHR1MW_5000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)