

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: P1324378

Luminaire Tested: LDSQA3D05R20W2N902750DE010 3LSQPHRL1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324378
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R20W2N902750DE010 3LSQPHRL1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

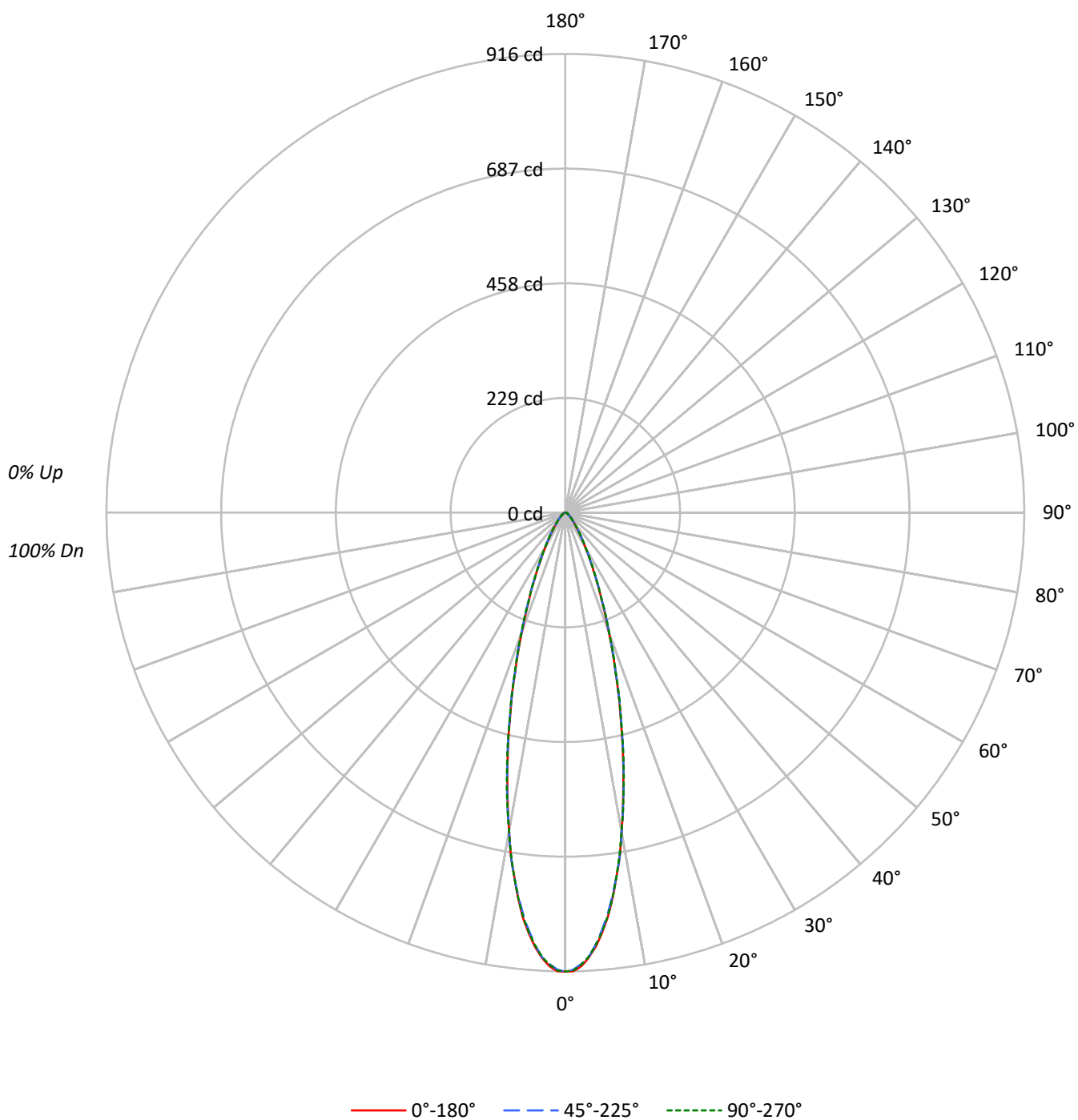
Lumens per Lamp: N/A
Luminaire Lumens: 322.0 lumens
Efficiency: N/A
Efficacy: 54.6 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1324378

CATALOG NUMBER: LDSQA3D05R20W2N902750DE010 3LSQPHRL1MW_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1324378

CATALOG NUMBER: LDSQA3D05R20W2N902750DE010 3LSQPHRL1MW_3500K

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	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	77	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	67	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	64	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	157808	157808	157808
5°	145583	144753	145237
10°	112972	113112	113112
15°	76365	76722	76722
20°	46369	46955	47175
25°	27212	27592	27516
30°	15869	16188	16267
35°	9692	9945	9945
40°	6317	6407	6497
45°	4384	4481	4579
50°	3215	3322	3322
55°	2522	2642	2642
60°	2204	2204	2342
65°	1956	1956	2119
70°	1813	1813	1813
75°	1597	1597	1597
80°	1190	1190	1587
85°	790	790	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4579 cd/sqm

TEST NUMBER: P1324378

CATALOG NUMBER: LDSQA3D05R20W2N902750DE010 3LSQPHRL1MW_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	22.9
10°-20°	118.3	36.7
20°-30°	68.5	21.3
30°-40°	30.7	9.5
40°-50°	14.6	4.5
50°-60°	8.0	2.5
60°-70°	4.8	1.5
70°-80°	2.6	0.8
80°-90°	0.6	0.2
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°	260.7	81.0
0°-40°	291.5	90.5
0°-60°	314.0	97.5
0°-90°	322.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	322.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	916	916	916	916	916	
5°	842	839	837	839	840	74
15°	428	428	430	428	430	118
25°	143	143	145	144	145	68
35°	46	46	47	48	47	30
45°	18	18	18	18	19	14
55°	8	8	9	9	9	8
65°	5	5	5	5	5	5
75°	2	2	2	2	2	3
85°	0	0	0	0	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1324378

CATALOG NUMBER: LDSQA3D05R20W2N902750DE010 3LSQPHRL1MW_3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	916.3	916.3	916.3	916.3	916.3
1°	915.9	913.5	912.7	911.9	914.3
2°	906.6	903.8	902.2	903.0	903.4
3°	890.2	888.6	888.6	887.4	888.2
4°	869.0	865.7	865.7	866.1	866.1
5°	842.1	839.3	837.3	838.9	840.1
6°	812.0	808.4	806.8	807.2	810.0
7°	775.1	770.3	771.1	773.1	773.1
8°	733.4	733.0	733.8	733.0	733.8
9°	694.9	689.3	694.1	690.1	692.1
10°	646.0	645.6	646.8	648.0	646.8
12.5°	534.5	536.5	537.3	535.7	539.3
15°	428.3	428.3	430.3	428.3	430.3
17.5°	333.2	332.8	334.4	332.8	335.2
20°	253.0	255.8	256.2	256.2	257.4
22.5°	190.9	190.9	192.5	192.9	192.1
25°	143.2	143.2	145.2	144.0	144.8
27.5°	105.9	106.7	108.3	109.1	109.1
30°	79.8	80.2	81.4	81.8	81.8
32.5°	60.1	61.0	61.8	62.2	62.6
35°	46.1	46.5	47.3	47.7	47.3
37.5°	35.3	35.7	36.5	36.9	36.9
40°	28.1	28.1	28.5	28.9	28.9
42.5°	22.1	22.5	22.5	22.9	22.9
45°	18.0	18.0	18.4	18.4	18.8
47.5°	14.4	14.4	14.8	15.2	15.2
50°	12.0	12.0	12.4	12.4	12.4
52.5°	10.0	10.0	10.4	10.4	10.4
55°	8.4	8.4	8.8	8.8	8.8
57.5°	7.2	7.2	7.6	7.6	7.6
60°	6.4	6.4	6.4	6.4	6.8
62.5°	5.6	5.6	5.6	5.6	5.6
65°	4.8	4.8	4.8	4.8	5.2
67.5°	4.0	4.0	4.0	4.0	4.4
70°	3.6	3.6	3.6	3.6	3.6
72.5°	2.8	2.8	2.8	3.2	3.2
75°	2.4	2.4	2.4	2.4	2.4
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.2	1.2	1.2	1.6	1.6
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)