

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: P1318053

Luminaire Tested: LDSQA3D05R259830DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259830DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

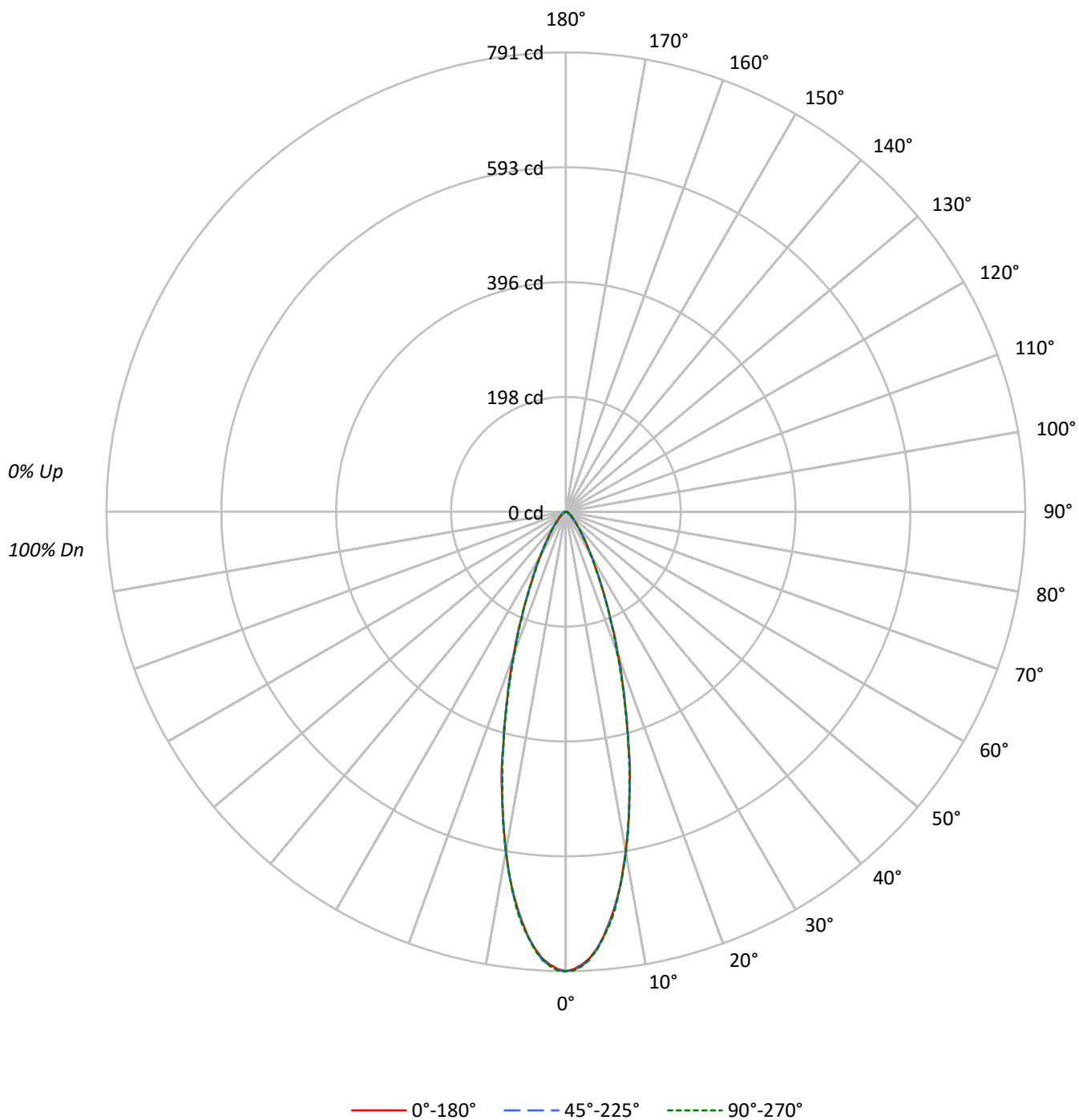
Lumens per Lamp: N/A
Luminaire Lumens: 317.0 lumens
Efficiency: N/A
Efficacy: 44.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1318053

CATALOG NUMBER: LDSQA3D05R259830DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1318053

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	75	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	136245	136245	136245
5°	127171	127309	127361
10°	103738	104053	104053
15°	74101	74493	74101
20°	48495	48018	47340
25°	28827	28979	28827
30°	17361	17361	17301
35°	10575	10659	10575
40°	6745	6812	6812
45°	4676	4676	4676
50°	3376	3483	3483
55°	2672	2672	2792
60°	2170	2308	2308
65°	1956	1956	1956
70°	1662	1662	1863
75°	1464	1464	1730
80°	1488	1488	1488
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4676 cd/sqm

TEST NUMBER: P1318053

CATALOG NUMBER: LDSQA3D05R259830DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	20.7
10°-20°	114.6	36.1
20°-30°	72.0	22.7
30°-40°	33.0	10.4
40°-50°	15.4	4.9
50°-60°	8.3	2.6
60°-70°	4.9	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°	252.4	79.6
0°-40°	285.4	90.0
0°-60°	309.0	97.5
0°-90°	317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	791	791	791	791	791	
5°	736	737	736	737	737	66
15°	416	418	418	418	416	115
25°	152	154	152	152	152	72
35°	50	50	51	51	50	33
45°	19	19	19	19	19	15
55°	9	9	9	9	9	8
65°	5	5	5	5	5	5
75°	2	2	2	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1318053

CATALOG NUMBER: LDSQA3D05R259830DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	791.1	791.1	791.1	791.1	791.1
1°	787.8	788.6	789.3	790.4	790.0
2°	780.4	781.9	782.3	783.7	783.4
3°	770.4	770.1	773.0	773.0	771.2
4°	754.9	755.6	756.4	757.1	757.5
5°	735.6	737.1	736.4	737.1	736.7
6°	712.0	714.2	713.8	714.5	715.7
7°	686.8	688.3	688.3	687.5	690.5
8°	659.4	658.3	660.2	659.4	659.0
9°	626.8	629.1	629.4	627.6	628.3
10°	593.2	594.7	595.0	596.1	595.0
11°	559.9	559.9	560.6	562.5	559.5
12°	523.6	526.9	523.6	525.1	523.6
13°	489.2	489.9	489.2	488.8	486.2
14°	456.6	454.0	454.8	451.8	452.2
15°	415.6	418.1	417.8	418.5	415.6
17.5°	334.1	335.6	335.3	334.5	330.8
20°	264.6	264.6	262.0	260.5	258.3
22.5°	202.0	201.3	200.2	199.1	199.8
25°	151.7	153.6	152.5	152.5	151.7
27.5°	114.7	116.9	115.1	114.0	114.7
30°	87.3	88.1	87.3	87.0	87.0
32.5°	65.9	66.2	65.9	65.9	65.9
35°	50.3	50.3	50.7	50.7	50.3
37.5°	38.9	38.9	38.9	38.9	39.2
40°	30.0	30.3	30.3	30.3	30.3
42.5°	23.7	24.1	24.1	24.1	24.1
45°	19.2	19.2	19.2	19.2	19.2
47.5°	15.5	15.5	15.5	15.5	15.9
50°	12.6	13.0	13.0	13.0	13.0
52.5°	10.7	10.7	10.7	10.7	10.7
55°	8.9	8.9	8.9	9.3	9.3
57.5°	7.4	7.4	7.8	7.8	7.8
60°	6.3	6.7	6.7	6.7	6.7
62.5°	5.6	5.6	5.9	5.9	5.9
65°	4.8	4.8	4.8	4.8	4.8
67.5°	4.1	4.1	4.1	4.1	4.4
70°	3.3	3.3	3.3	3.7	3.7
72.5°	3.0	3.0	3.0	3.0	3.0
75°	2.2	2.2	2.2	2.6	2.6
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.5	1.5	1.5	1.5	1.5
82.5°	0.7	0.7	1.1	1.1	1.1
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1318053

CATALOG NUMBER: LDSQA3D05R259830DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)