

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: P1311920

Luminaire Tested: LDSQA3D24R259040D010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311920
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: LDSQA3D24R259040D010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

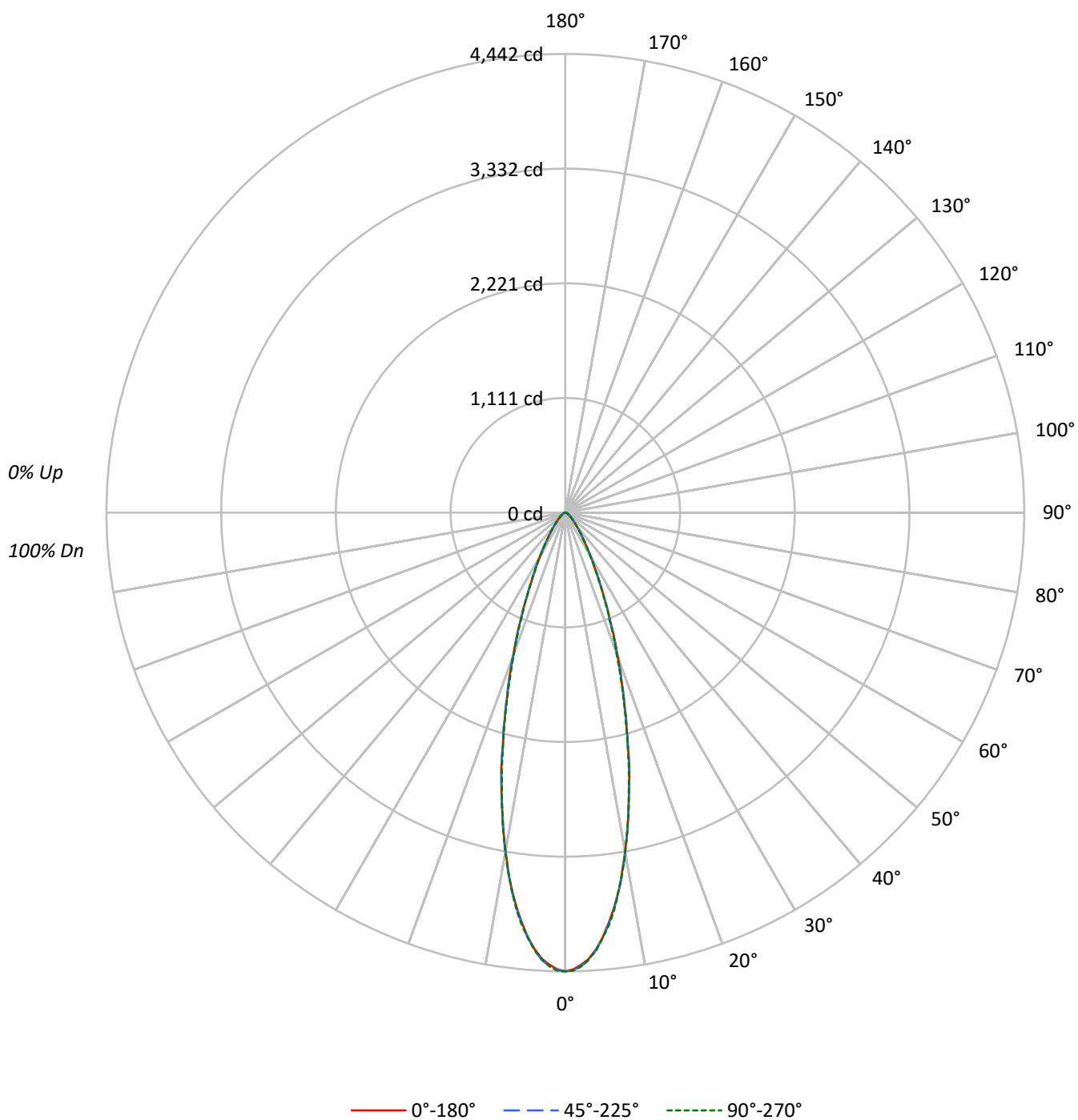
Lumens per Lamp: N/A
Luminaire Lumens: 1780.0 lumens
Efficiency: N/A
Efficacy: 61.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1311920

CATALOG NUMBER: LDSQA3D24R259040D010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311920

CATALOG NUMBER: LDSQA3D24R259040D010 3LSQPHRL1MW

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		
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94		
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88		
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83		
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79		
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74		
6	91	83	78	74	90	82	77	73	81	76	73	79	76	72	78	75	72	71		
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67		
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	64		
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	62		
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	765082	765082	765082
5°	714117	714844	715207
10°	582488	584290	584290
15°	416041	418269	416041
20°	272274	269617	265804
25°	161884	162682	161884
30°	97524	97524	97106
35°	59415	59857	59415
40°	37837	38309	38309
45°	26304	26304	26304
50°	18916	19479	19479
55°	14983	14983	15584
60°	12159	12882	12882
65°	11003	11003	11003
70°	9416	9416	10474
75°	8318	8318	9649
80°	8232	8232	8232
85°	4150	4150	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26304 cd/sqm

TEST NUMBER: P1311920

CATALOG NUMBER: LDSQA3D24R259040D010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.2	20.7
10°-20°	643.5	36.2
20°-30°	404.5	22.7
30°-40°	185.1	10.4
40°-50°	86.4	4.9
50°-60°	46.5	2.6
60°-70°	27.4	1.5
70°-80°	14.3	0.8
80°-90°	3.2	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°	1417.2	79.6
0°-40°	1602.3	90.0
0°-60°	1735.2	97.5
0°-90°	1780.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1780.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4442	4442	4442	4442	4442	
5°	4131	4139	4135	4139	4137	368
15°	2333	2348	2346	2350	2333	643
25°	852	862	856	856	852	405
35°	283	283	285	285	283	185
45°	108	108	108	108	108	86
55°	50	50	50	52	52	46
65°	27	27	27	27	27	27
75°	12	12	12	14	14	14
85°	2	2	2	2	2	3
90°	0	0	0	0	0	

TEST NUMBER: P1311920

CATALOG NUMBER: LDSQA3D24R259040D010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4442.4	4442.4	4442.4	4442.4	4442.4
1°	4423.7	4427.8	4432.0	4438.2	4436.2
2°	4382.1	4390.4	4392.5	4400.8	4398.8
3°	4326.0	4324.0	4340.6	4340.6	4330.2
4°	4238.8	4242.9	4247.1	4251.2	4253.3
5°	4130.7	4139.0	4134.9	4139.0	4137.0
6°	3997.7	4010.2	4008.1	4012.3	4018.5
7°	3856.4	3864.8	3864.8	3860.6	3877.2
8°	3702.7	3696.5	3706.8	3702.7	3700.6
9°	3519.8	3532.3	3534.4	3524.0	3528.2
10°	3330.8	3339.1	3341.1	3347.4	3341.1
11°	3143.8	3143.8	3147.9	3158.3	3141.7
12°	2940.1	2958.8	2940.1	2948.4	2940.1
13°	2746.9	2751.0	2746.9	2744.8	2730.3
14°	2564.0	2549.5	2553.6	2537.0	2539.1
15°	2333.4	2347.9	2345.9	2350.0	2333.4
17.5°	1876.3	1884.6	1882.5	1878.4	1857.6
20°	1485.6	1485.6	1471.1	1462.8	1450.3
22.5°	1134.5	1130.3	1124.1	1117.9	1122.0
25°	851.9	862.3	856.1	856.1	851.9
27.5°	644.1	656.6	646.2	640.0	644.1
30°	490.4	494.5	490.4	488.3	488.3
32.5°	369.9	371.9	369.9	369.9	369.9
35°	282.6	282.6	284.7	284.7	282.6
37.5°	218.2	218.2	218.2	218.2	220.2
40°	168.3	170.4	170.4	170.4	170.4
42.5°	133.0	135.1	135.1	135.1	135.1
45°	108.0	108.0	108.0	108.0	108.0
47.5°	87.3	87.3	87.3	87.3	89.3
50°	70.6	72.7	72.7	72.7	72.7
52.5°	60.3	60.3	60.3	60.3	60.3
55°	49.9	49.9	49.9	51.9	51.9
57.5°	41.6	41.6	43.6	43.6	43.6
60°	35.3	37.4	37.4	37.4	37.4
62.5°	31.2	31.2	33.2	33.2	33.2
65°	27.0	27.0	27.0	27.0	27.0
67.5°	22.9	22.9	22.9	22.9	24.9
70°	18.7	18.7	18.7	20.8	20.8
72.5°	16.6	16.6	16.6	16.6	16.6
75°	12.5	12.5	12.5	14.5	14.5
77.5°	10.4	10.4	10.4	10.4	10.4
80°	8.3	8.3	8.3	8.3	8.3
82.5°	4.2	4.2	6.2	6.2	6.2
85°	2.1	2.1	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1311920
CATALOG NUMBER: LDSQA3D24R259040D010 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)