

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: P1311012

Luminaire Tested: LDSQA3D02R359040DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R359040DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

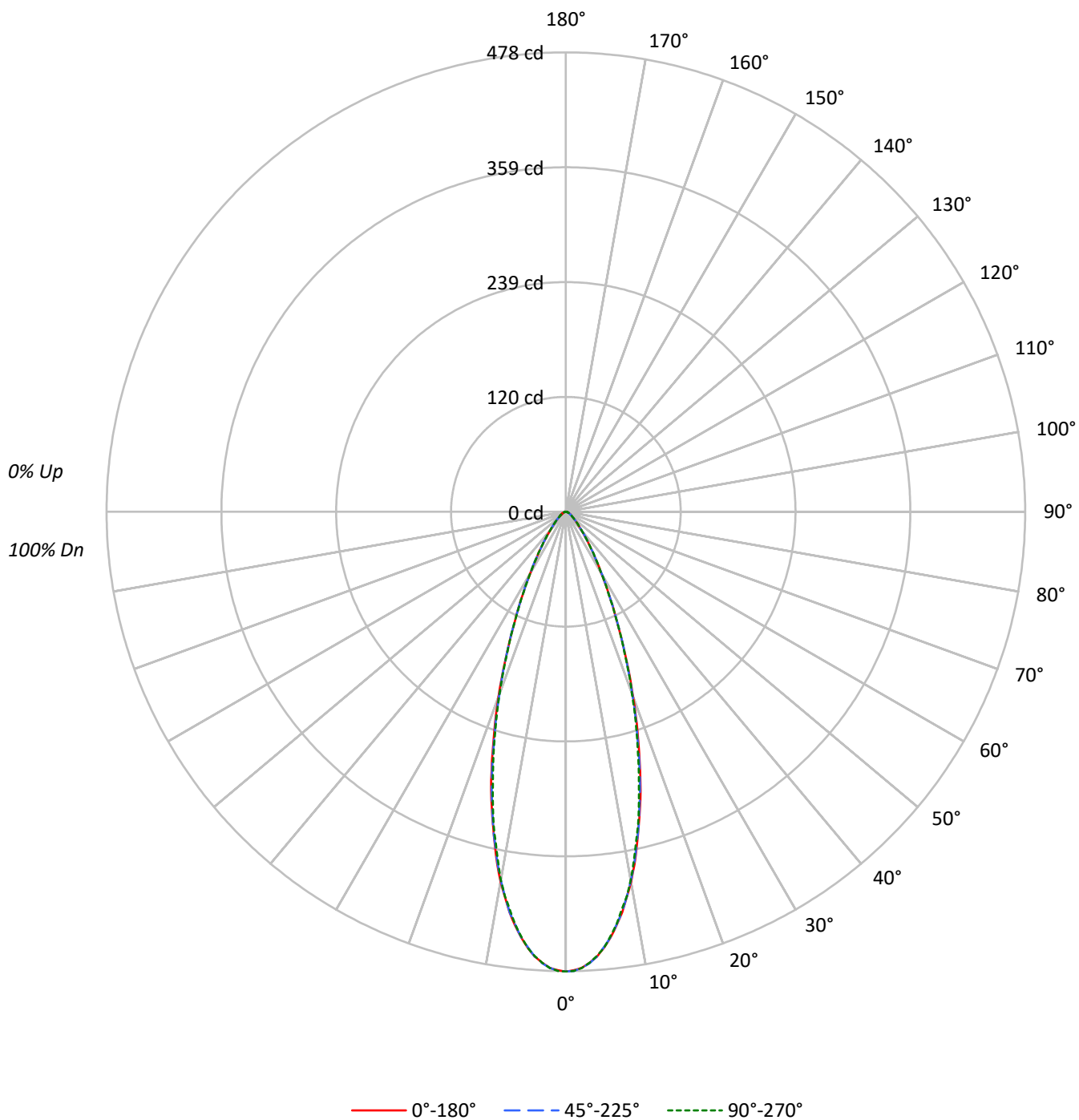
Lumens per Lamp: N/A
Luminaire Lumens: 236.0 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1311012

CATALOG NUMBER: LDSQA3D02R359040DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311012

CATALOG NUMBER: LDSQA3D02R359040DE010 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	82409	82409	82409
5°	78747	78609	78747
10°	68360	68133	68046
15°	53579	53151	52313
20°	37480	37150	36912
25°	23810	23943	23810
30°	14656	14776	14656
35°	9062	9125	9125
40°	5755	5823	5823
45°	3897	3946	4019
50°	2813	2867	2867
55°	2192	2192	2192
60°	1791	1791	1791
65°	1589	1589	1589
70°	1460	1460	1460
75°	1198	1198	1198
80°	992	992	992
85°	593	593	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 4019 cd/sqm

TEST NUMBER: P1311012

CATALOG NUMBER: LDSQA3D02R359040DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.4	17.5
10°-20°	81.4	34.5
20°-30°	58.8	24.9
30°-40°	28.3	12.0
40°-50°	13.1	5.5
50°-60°	6.7	2.9
60°-70°	3.9	1.6
70°-80°	2.0	0.8
80°-90°	0.5	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°	181.5	76.9
0°-40°	209.8	88.9
0°-60°	229.7	97.3
0°-90°	236.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	236.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	478	478	478	478	478	
5°	456	457	455	455	456	41
15°	300	300	298	297	293	82
25°	125	126	126	126	125	59
35°	43	43	43	43	43	28
45°	16	16	16	16	16	13
55°	7	7	7	7	7	7
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1311012

CATALOG NUMBER: LDSQA3D02R359040DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	478.5	478.5	478.5	478.5	478.5
1°	477.2	478.0	477.8	478.0	477.8
2°	474.9	475.4	474.9	475.1	475.1
3°	469.9	470.4	470.4	470.2	469.9
4°	463.9	465.2	463.9	464.2	463.4
5°	455.5	456.6	454.7	455.0	455.5
6°	445.3	445.6	445.1	444.8	444.3
7°	433.6	434.6	432.8	433.0	432.5
8°	421.0	420.7	420.7	419.7	418.1
9°	405.8	406.9	405.3	404.8	405.1
10°	390.9	390.9	389.6	388.3	389.1
11°	373.9	373.4	372.6	370.8	370.3
12°	355.4	356.4	354.1	353.3	351.4
13°	336.3	337.9	336.8	333.9	334.2
14°	318.5	317.5	316.7	316.1	314.3
15°	300.5	299.9	298.1	296.8	293.4
17.5°	251.0	251.6	248.2	247.6	246.3
20°	204.5	202.9	202.7	202.9	201.4
22.5°	161.3	162.9	161.1	161.3	160.3
25°	125.3	125.5	126.0	126.0	125.3
27.5°	97.3	97.3	96.8	97.3	96.5
30°	73.7	73.7	74.3	74.8	73.7
32.5°	57.0	57.0	57.0	57.3	57.5
35°	43.1	43.1	43.4	43.4	43.4
37.5°	33.2	33.5	33.7	33.7	33.7
40°	25.6	25.9	25.9	26.1	25.9
42.5°	20.4	20.4	20.4	20.7	20.7
45°	16.0	16.2	16.2	16.5	16.5
47.5°	13.1	13.1	13.1	13.3	13.3
50°	10.5	10.7	10.7	10.7	10.7
52.5°	8.6	8.6	8.9	8.9	8.9
55°	7.3	7.3	7.3	7.3	7.3
57.5°	6.0	6.3	6.3	6.3	6.3
60°	5.2	5.2	5.2	5.2	5.2
62.5°	4.4	4.4	4.4	4.4	4.4
65°	3.9	3.9	3.9	3.9	3.9
67.5°	3.1	3.4	3.4	3.4	3.4
70°	2.9	2.9	2.9	2.9	2.9
72.5°	2.1	2.4	2.4	2.4	2.4
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.6	1.3	1.3	1.3	1.6
80°	1.0	1.0	1.0	1.0	1.0
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.3	0.3	0.3	0.3	0.5
87.5°	0.0	0.0	0.0	0.3	0.3



TEST NUMBER: P1311012
CATALOG NUMBER: LDSQA3D02R359040DE010 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)