

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: P1315642

Luminaire Tested: LDSQA3D13R359735DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315642
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: LDSQA3D13R359735DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

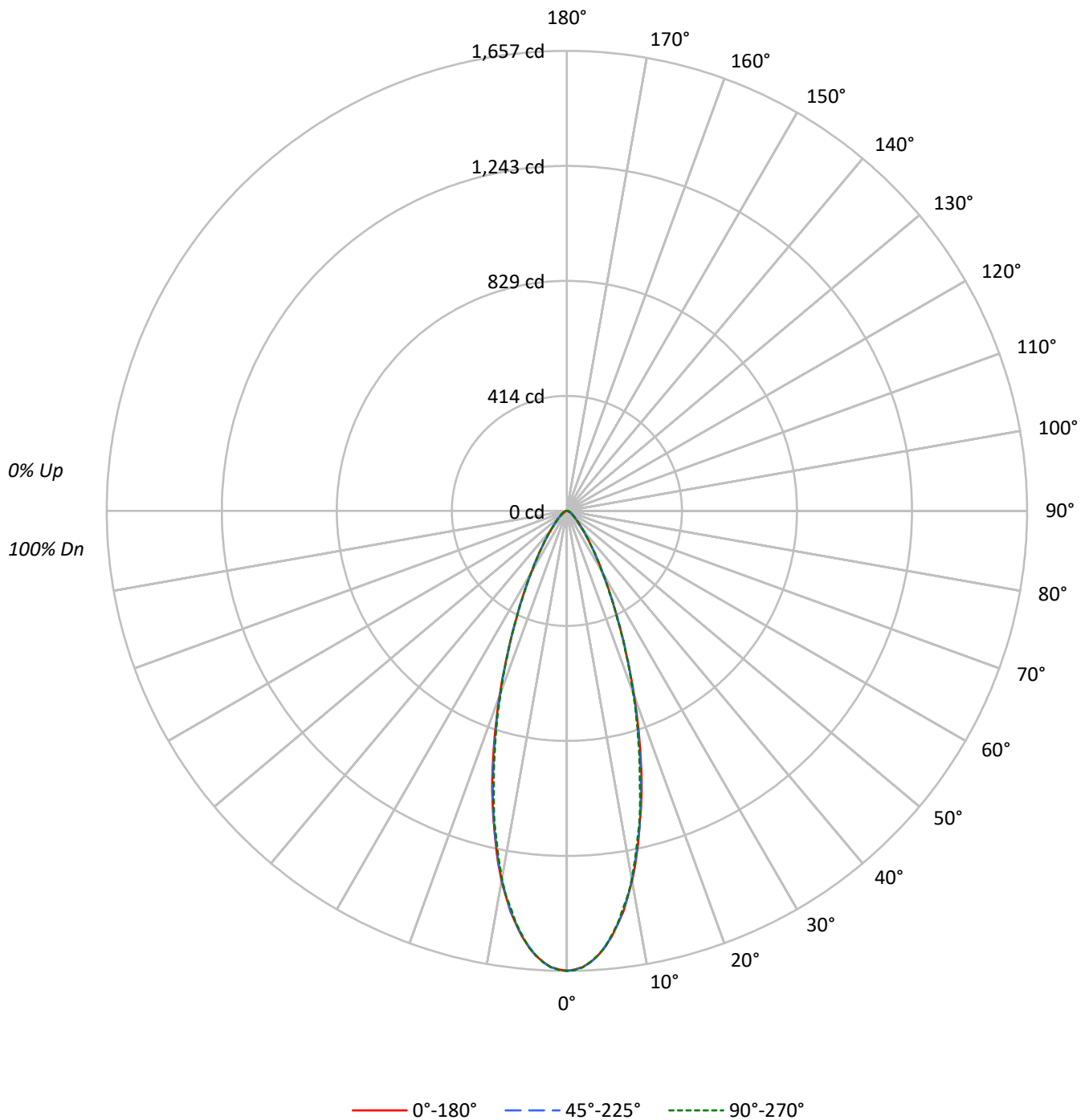
Lumens per Lamp: N/A
Luminaire Lumens: 817.0 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1315642

CATALOG NUMBER: LDSQA3D13R359735DE010 3LSQPHRL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1315642

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	86	83	82
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80	77	74	73
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76	73	70	69
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73	69	66	65
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67	63	60	59
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	285304	285304	285304
5°	272633	272148	272633
10°	236682	235877	235563
15°	185448	184004	181097
20°	129741	128586	127743
25°	82396	82909	82396
30°	50770	51128	50770
35°	31411	31600	31600
40°	19942	20144	20144
45°	13444	13664	13883
50°	9699	9940	9940
55°	7597	7597	7597
60°	6234	6234	6234
65°	5542	5542	5542
70°	5035	5035	5035
75°	4192	4192	4192
80°	3570	3570	3570
85°	1778	1778	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 13883 cd/sqm

TEST NUMBER: P1315642

CATALOG NUMBER: LDSQA3D13R359735DE010 3LSQPHRL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.2	17.5
10°-20°	281.9	34.5
20°-30°	203.4	24.9
30°-40°	98.1	12.0
40°-50°	45.2	5.5
50°-60°	23.4	2.9
60°-70°	13.5	1.7
70°-80°	6.8	0.8
80°-90°	1.6	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°	628.4	76.9
0°-40°	726.5	88.9
0°-60°	795.0	97.3
0°-90°	817.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	817.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1657	1657	1657	1657	1657	
5°	1577	1581	1574	1575	1577	143
15°	1040	1038	1032	1028	1016	284
25°	434	434	436	436	434	203
35°	149	149	150	150	150	97
45°	55	56	56	57	57	45
55°	25	25	25	25	25	23
65°	14	14	14	14	14	13
75°	6	6	6	6	6	7
85°	1	1	1	1	2	1
90°	0	0	0	0	0	

TEST NUMBER: P1315642

CATALOG NUMBER: LDSQA3D13R359735DE010 3LSQPHRL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1656.6	1656.6	1656.6	1656.6	1656.6
1°	1652.1	1654.8	1653.9	1654.8	1653.9
2°	1644.0	1645.8	1644.0	1644.9	1644.9
3°	1626.8	1628.6	1628.6	1627.7	1626.8
4°	1605.9	1610.5	1605.9	1606.8	1604.1
5°	1577.0	1580.6	1574.2	1575.2	1577.0
6°	1541.7	1542.6	1540.8	1539.8	1538.0
7°	1500.9	1504.5	1498.2	1499.1	1497.3
8°	1457.5	1456.6	1456.6	1452.9	1447.5
9°	1405.0	1408.6	1403.2	1401.3	1402.2
10°	1353.4	1353.4	1348.8	1344.3	1347.0
11°	1294.5	1292.7	1290.0	1283.7	1281.8
12°	1230.2	1233.9	1225.7	1223.0	1216.7
13°	1164.2	1169.6	1166.0	1156.0	1156.9
14°	1102.6	1099.0	1096.3	1094.5	1088.1
15°	1040.1	1038.3	1032.0	1027.5	1015.7
17.5°	869.0	870.9	859.1	857.3	852.8
20°	707.9	702.5	701.6	702.5	697.0
22.5°	558.5	564.0	557.6	558.5	554.9
25°	433.6	434.5	436.3	436.3	433.6
27.5°	336.8	336.8	334.9	336.8	334.0
30°	255.3	255.3	257.1	258.9	255.3
32.5°	197.3	197.3	197.3	198.3	199.2
35°	149.4	149.4	150.3	150.3	150.3
37.5°	115.0	115.9	116.8	116.8	116.8
40°	88.7	89.6	89.6	90.5	89.6
42.5°	70.6	70.6	70.6	71.5	71.5
45°	55.2	56.1	56.1	57.0	57.0
47.5°	45.3	45.3	45.3	46.2	46.2
50°	36.2	37.1	37.1	37.1	37.1
52.5°	29.9	29.9	30.8	30.8	30.8
55°	25.3	25.3	25.3	25.3	25.3
57.5°	20.8	21.7	21.7	21.7	21.7
60°	18.1	18.1	18.1	18.1	18.1
62.5°	15.4	15.4	15.4	15.4	15.4
65°	13.6	13.6	13.6	13.6	13.6
67.5°	10.9	11.8	11.8	11.8	11.8
70°	10.0	10.0	10.0	10.0	10.0
72.5°	7.2	8.1	8.1	8.1	8.1
75°	6.3	6.3	6.3	6.3	6.3
77.5°	5.4	4.5	4.5	4.5	5.4
80°	3.6	3.6	3.6	3.6	3.6
82.5°	2.7	2.7	2.7	2.7	2.7
85°	0.9	0.9	0.9	0.9	1.8
87.5°	0.0	0.0	0.0	0.9	0.9



TEST NUMBER: P1315642

CATALOG NUMBER: LDSQA3D13R359735DE010 3LSQPHRL1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)