

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: P1312581

Luminaire Tested: LDSQA3D13R359050DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312581
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: LDSQA3D13R359050DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

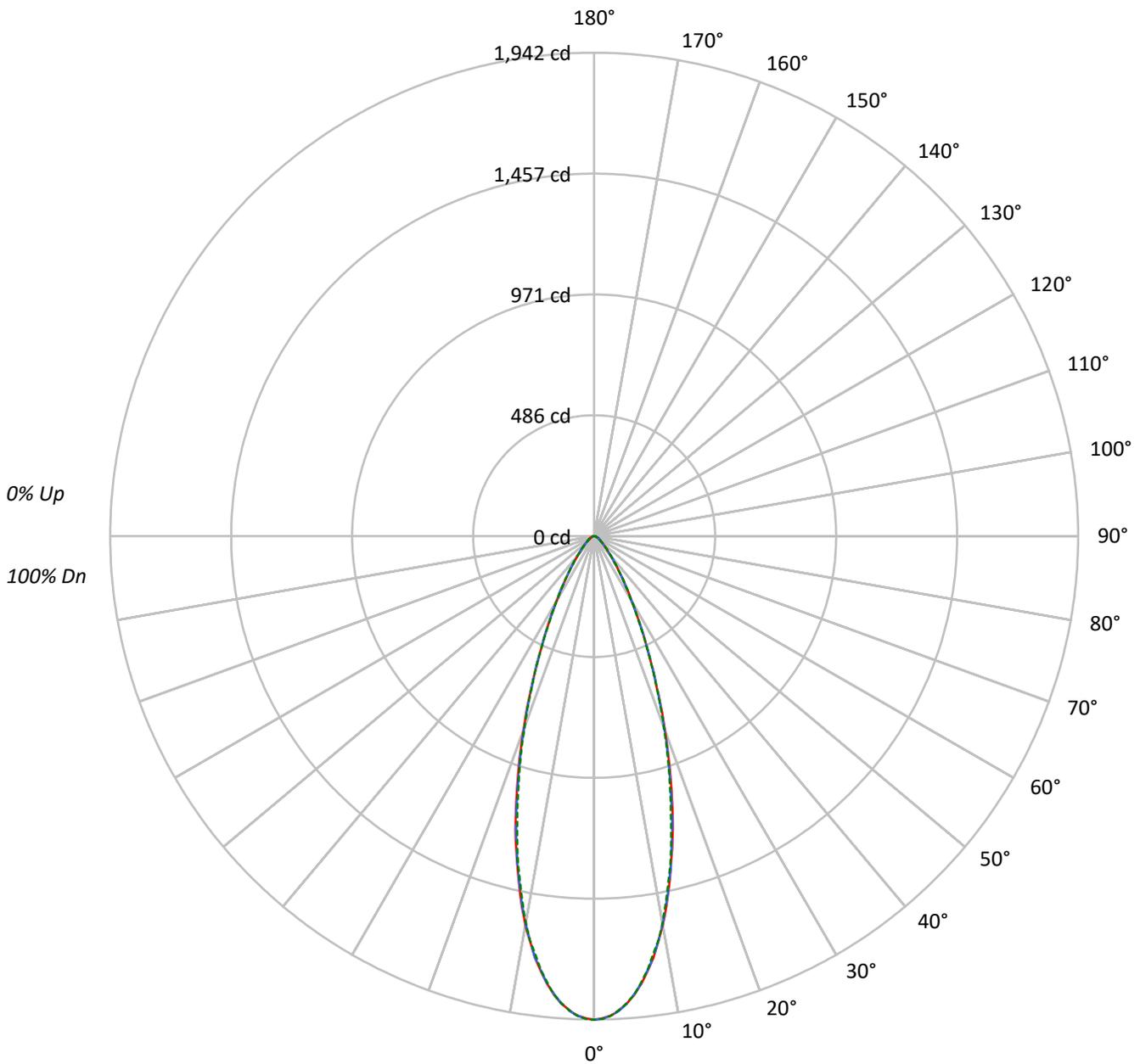
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 958.0 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): 14.6
Input Voltage (V): NR
Input Current (A_{in}): 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: P1312581
CATALOG NUMBER: LDSQA3D13R359050DE010 3LSQPHRL1MMS

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1312581

CATALOG NUMBER: LDSQA3D13R359050DE010 3LSQPHRL1MMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	334542	334542	334542
5°	319673	319120	319673
10°	277516	276589	276222
15°	217470	215758	212353
20°	152137	150781	149791
25°	96629	97218	96629
30°	59520	59958	59520
35°	36814	37045	37045
40°	23381	23629	23629
45°	15783	16026	16294
50°	11387	11655	11655
55°	8918	8918	8918
60°	7302	7302	7302
65°	6479	6479	6479
70°	5891	5891	5891
75°	4924	4924	4924
80°	4166	4166	4166
85°	2174	2174	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 16294 cd/sqm



TEST NUMBER: P1312581

CATALOG NUMBER: LDSQA3D13R359050DE010 3LSQPHRL1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.9	17.5
10°-20°	330.5	34.5
20°-30°	238.5	24.9
30°-40°	115.0	12.0
40°-50°	53.0	5.5
50°-60°	27.4	2.9
60°-70°	15.8	1.7
70°-80°	8.0	0.8
80°-90°	1.9	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°	736.9	76.9
0°-40°	851.9	88.9
0°-60°	932.3	97.3
0°-90°	958.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	958.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1942	1942	1942	1942	1942	
5°	1849	1853	1846	1847	1849	168
15°	1220	1218	1210	1205	1191	333
25°	508	510	512	512	508	239
35°	175	175	176	176	176	114
45°	65	66	66	67	67	52
55°	30	30	30	30	30	27
65°	16	16	16	16	16	16
75°	7	7	7	7	7	8
85°	1	1	1	1	2	2
90°	0	0	0	0	0	



TEST NUMBER: P1312581

CATALOG NUMBER: LDSQA3D13R359050DE010 3LSQPHRL1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1942.5	1942.5	1942.5	1942.5	1942.5
1°	1937.2	1940.4	1939.3	1940.4	1939.3
2°	1927.7	1929.8	1927.7	1928.7	1928.7
3°	1907.5	1909.6	1909.6	1908.6	1907.5
4°	1883.1	1888.4	1883.1	1884.1	1881.0
5°	1849.1	1853.4	1845.9	1847.0	1849.1
6°	1807.7	1808.8	1806.7	1805.6	1803.5
7°	1760.0	1764.2	1756.8	1757.8	1755.7
8°	1709.0	1707.9	1707.9	1703.7	1697.3
9°	1647.4	1651.7	1645.3	1643.2	1644.3
10°	1586.9	1586.9	1581.6	1576.3	1579.5
11°	1517.9	1515.8	1512.6	1505.2	1503.1
12°	1442.6	1446.8	1437.3	1434.1	1426.6
13°	1365.1	1371.4	1367.2	1355.5	1356.6
14°	1292.9	1288.7	1285.5	1283.3	1275.9
15°	1219.7	1217.5	1210.1	1204.8	1191.0
17.5°	1019.0	1021.2	1007.4	1005.2	999.9
20°	830.1	823.7	822.7	823.7	817.3
22.5°	654.9	661.3	653.9	654.9	650.7
25°	508.5	509.5	511.6	511.6	508.5
27.5°	394.9	394.9	392.8	394.9	391.7
30°	299.3	299.3	301.5	303.6	299.3
32.5°	231.4	231.4	231.4	232.5	233.5
35°	175.1	175.1	176.2	176.2	176.2
37.5°	134.8	135.9	136.9	136.9	136.9
40°	104.0	105.1	105.1	106.1	105.1
42.5°	82.8	82.8	82.8	83.9	83.9
45°	64.8	65.8	65.8	66.9	66.9
47.5°	53.1	53.1	53.1	54.1	54.1
50°	42.5	43.5	43.5	43.5	43.5
52.5°	35.0	35.0	36.1	36.1	36.1
55°	29.7	29.7	29.7	29.7	29.7
57.5°	24.4	25.5	25.5	25.5	25.5
60°	21.2	21.2	21.2	21.2	21.2
62.5°	18.0	18.0	18.0	18.0	18.0
65°	15.9	15.9	15.9	15.9	15.9
67.5°	12.7	13.8	13.8	13.8	13.8
70°	11.7	11.7	11.7	11.7	11.7
72.5°	8.5	9.6	9.6	9.6	9.6
75°	7.4	7.4	7.4	7.4	7.4
77.5°	6.4	5.3	5.3	5.3	6.4
80°	4.2	4.2	4.2	4.2	4.2
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.1	1.1	1.1	1.1	2.1
87.5°	0.0	0.0	0.0	1.1	1.1



TEST NUMBER: P1312581
CATALOG NUMBER: LDSQA3D13R359050DE010 3LSQPHRL1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)