

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: P1311438

Luminaire Tested: LDSQA3D13R159040DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R159040DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

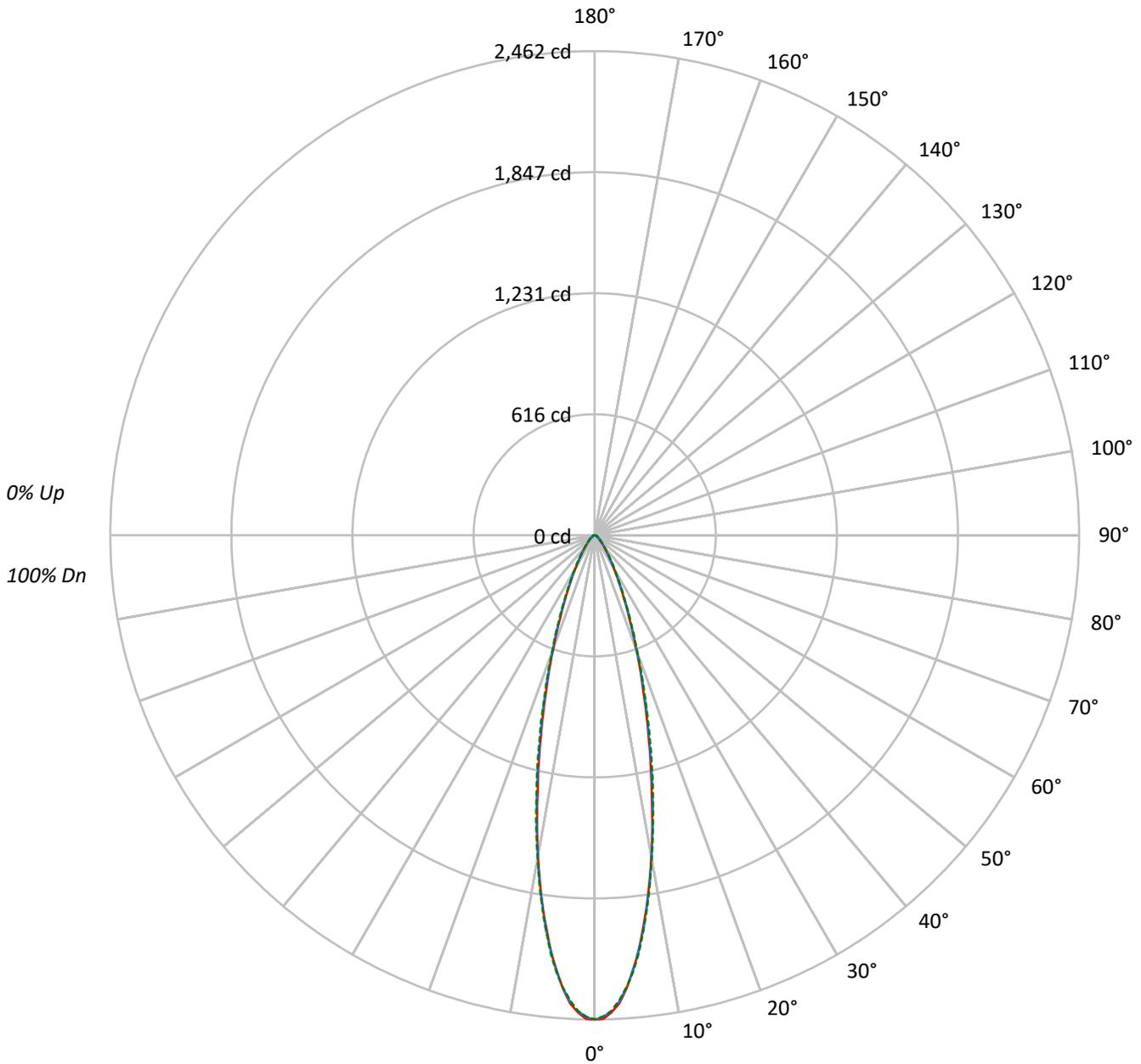
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 814.0 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
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: P1311438
CATALOG NUMBER: LDSQA3D13R159040DE010 3LSQPHRL1MB

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1311438

CATALOG NUMBER: LDSQA3D13R159040DE010 3LSQPHRL1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	423926	423926	423926
5°	383985	384711	385247
10°	289898	290632	292101
15°	188033	190083	193810
20°	113209	114547	116087
25°	66148	67535	68524
30°	38878	40111	40748
35°	23947	24830	25271
40°	15737	16210	16457
45°	10936	11204	11447
50°	8118	8413	8681
55°	6576	6906	6906
60°	5752	5752	5752
65°	5094	5094	5094
70°	4230	4733	4733
75°	4192	4192	4192
80°	3075	4166	4166
85°	1976	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 11447 cd/sqm



TEST NUMBER: P1311438

CATALOG NUMBER: LDSQA3D13R159040DE010 3LSQPHRL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.9	23.8
10°-20°	296.5	36.4
20°-30°	168.5	20.7
30°-40°	76.9	9.4
40°-50°	36.9	4.5
50°-60°	20.6	2.5
60°-70°	12.6	1.5
70°-80°	6.7	0.8
80°-90°	1.4	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°	658.9	80.9
0°-40°	735.7	90.4
0°-60°	793.2	97.5
0°-90°	814.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	814.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2462	2462	2462	2462	2462	
5°	2221	2220	2225	2225	2228	194
15°	1055	1060	1066	1081	1087	293
25°	348	348	355	358	361	165
35°	114	116	118	120	120	75
45°	45	45	46	47	47	36
55°	22	22	23	23	23	20
65°	12	12	12	12	12	12
75°	6	6	6	6	6	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P1311438
 CATALOG NUMBER: LDSQA3D13R159040DE010 3LSQPHRL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2461.5	2461.5	2461.5	2461.5	2461.5
1°	2459.4	2453.1	2451.0	2450.0	2447.9
2°	2428.0	2422.8	2421.8	2421.8	2420.7
3°	2384.1	2374.7	2375.8	2372.6	2369.5
4°	2309.9	2305.7	2307.8	2309.9	2305.7
5°	2221.1	2220.0	2225.3	2225.3	2228.4
6°	2129.1	2128.1	2124.9	2133.3	2137.5
7°	2012.0	2018.3	2026.7	2022.5	2025.6
8°	1905.4	1898.1	1901.2	1911.7	1912.7
9°	1780.0	1774.8	1788.4	1792.5	1793.6
10°	1657.7	1662.9	1661.9	1676.5	1670.3
12.5°	1338.9	1347.3	1356.7	1363.0	1369.2
15°	1054.6	1059.8	1066.1	1080.8	1087.0
17.5°	811.1	817.4	823.6	836.2	838.3
20°	617.7	620.9	625.0	636.5	633.4
22.5°	462.0	467.2	471.4	476.6	479.8
25°	348.1	348.1	355.4	358.5	360.6
27.5°	259.2	261.3	266.5	270.7	269.7
30°	195.5	198.6	201.7	203.8	204.9
32.5°	150.5	150.5	153.6	156.8	157.8
35°	113.9	116.0	118.1	120.2	120.2
37.5°	88.8	89.9	92.0	93.0	93.0
40°	70.0	70.0	72.1	73.2	73.2
42.5°	55.4	56.4	57.5	58.5	58.5
45°	44.9	44.9	46.0	47.0	47.0
47.5°	36.6	36.6	37.6	38.7	38.7
50°	30.3	31.4	31.4	32.4	32.4
52.5°	26.1	26.1	26.1	27.2	27.2
55°	21.9	21.9	23.0	23.0	23.0
57.5°	18.8	18.8	18.8	19.9	19.9
60°	16.7	16.7	16.7	16.7	16.7
62.5°	14.6	14.6	14.6	14.6	14.6
65°	12.5	12.5	12.5	12.5	12.5
67.5°	10.5	10.5	10.5	11.5	11.5
70°	8.4	9.4	9.4	9.4	9.4
72.5°	7.3	7.3	7.3	7.3	7.3
75°	6.3	6.3	6.3	6.3	6.3
77.5°	5.2	5.2	5.2	5.2	5.2
80°	3.1	4.2	4.2	4.2	4.2
82.5°	2.1	2.1	2.1	2.1	2.1
85°	1.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)