

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: P1320406

Luminaire Tested: LDSQA3D20R309840D010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309840D010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

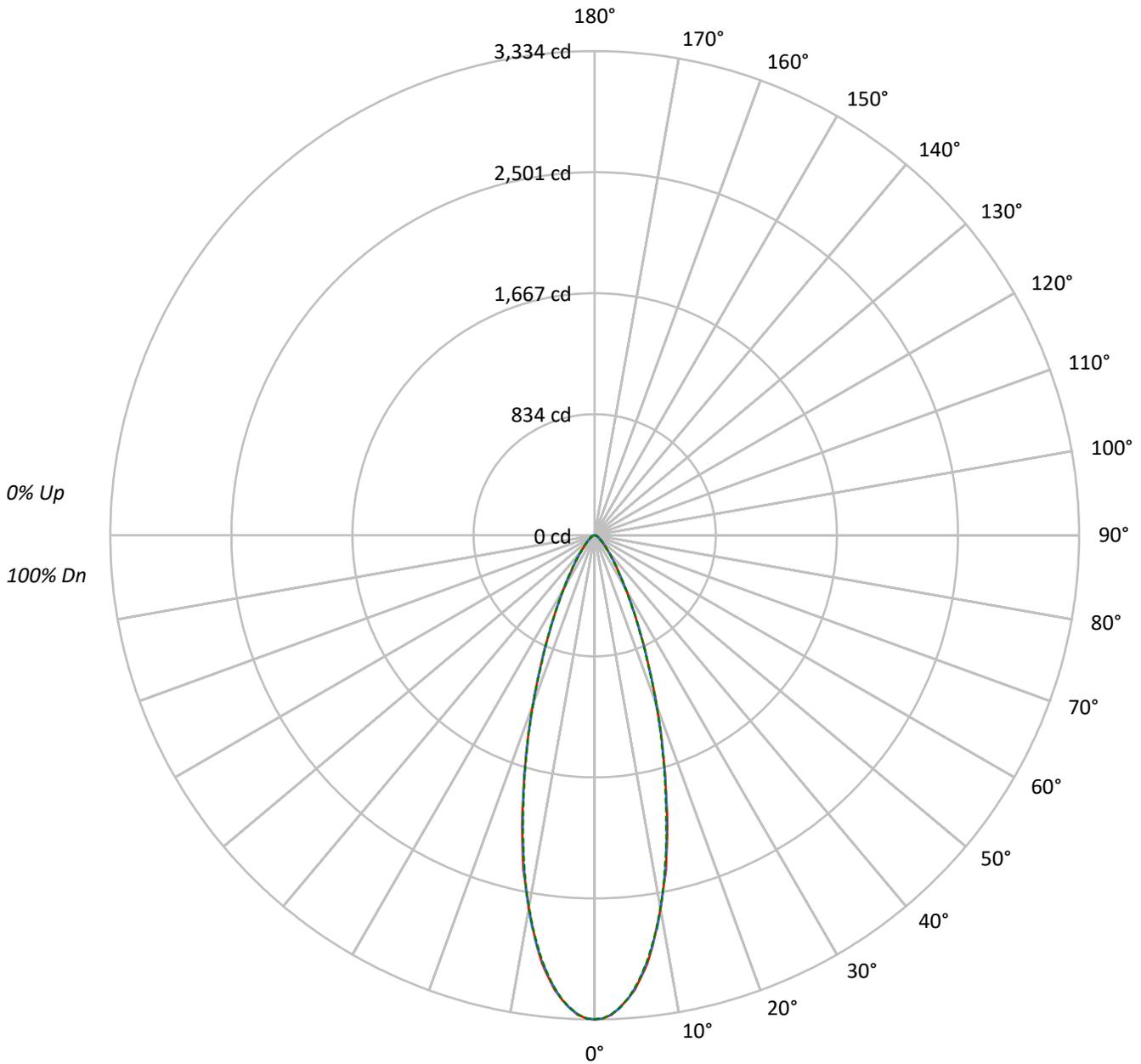
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1464.0 lumens
Efficiency: N/A
Efficacy: 53.4 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1320406
CATALOG NUMBER: LDSQA3D20R309840D010 3LSQPHRL1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ···· 90°-270°



TEST NUMBER: P1320406

CATALOG NUMBER: LDSQA3D20R309840D010 3LSQPHRL1MW

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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	574104	574104	574104
5°	543536	542136	541859
10°	456628	456628	454931
15°	340210	339355	337322
20°	227701	226510	226803
25°	140354	140050	140658
30°	84399	84399	84717
35°	51762	51762	52099
40°	32779	32779	33498
45°	22481	22870	22870
50°	16505	16505	16505
55°	12641	13121	13121
60°	10609	10609	11160
65°	9251	9251	9251
70°	8157	8963	8963
75°	7519	7519	7519
80°	6447	6447	6447
85°	3162	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 22870 cd/sqm



TEST NUMBER: P1320406

CATALOG NUMBER: LDSQA3D20R309840D010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.6	19.3
10°-20°	521.8	35.6
20°-30°	346.9	23.7
30°-40°	160.3	11.0
40°-50°	74.4	5.1
50°-60°	39.8	2.7
60°-70°	23.2	1.6
70°-80°	12.3	0.8
80°-90°	2.6	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°	1151.3	78.6
0°-40°	1311.6	89.6
0°-60°	1425.8	97.4
0°-90°	1464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1464.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3334	3334	3334	3334	3334	
5°	3144	3138	3136	3144	3134	283
15°	1908	1915	1903	1903	1892	523
25°	739	737	737	737	740	347
35°	246	245	246	248	248	159
45°	92	92	94	94	94	74
55°	42	44	44	44	44	39
65°	23	23	23	23	23	23
75°	11	11	11	11	11	12
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



TEST NUMBER: P1320406

CATALOG NUMBER: LDSQA3D20R309840D010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3333.5	3333.5	3333.5	3333.5	3333.5
1°	3327.1	3323.8	3327.1	3331.9	3325.4
2°	3304.4	3301.1	3301.1	3307.6	3301.1
3°	3260.6	3263.9	3262.3	3268.7	3257.4
4°	3205.6	3203.9	3210.4	3213.7	3203.9
5°	3144.0	3137.5	3135.9	3144.0	3134.3
6°	3059.8	3054.9	3051.7	3061.4	3048.4
7°	2969.1	2965.8	2961.0	2964.2	2954.5
8°	2857.3	2855.7	2852.5	2855.7	2844.4
9°	2732.6	2732.6	2739.1	2737.4	2731.0
10°	2611.1	2614.3	2611.1	2614.3	2601.4
11°	2475.0	2475.0	2478.3	2476.7	2478.3
12°	2356.8	2343.8	2340.6	2337.4	2327.6
13°	2204.5	2194.8	2191.6	2194.8	2190.0
14°	2065.2	2058.8	2042.6	2045.8	2039.3
15°	1908.1	1914.6	1903.3	1903.3	1891.9
17.5°	1559.9	1553.4	1556.6	1558.2	1553.4
20°	1242.4	1239.1	1235.9	1232.7	1237.5
22.5°	965.4	967.0	963.8	960.5	957.3
25°	738.6	737.0	737.0	737.0	740.2
27.5°	560.4	560.4	560.4	562.1	562.1
30°	424.4	421.1	424.4	426.0	426.0
32.5°	317.5	320.7	322.3	322.3	322.3
35°	246.2	244.6	246.2	247.8	247.8
37.5°	187.9	187.9	189.5	189.5	191.1
40°	145.8	145.8	145.8	147.4	149.0
42.5°	115.0	115.0	116.6	116.6	118.2
45°	92.3	92.3	93.9	93.9	93.9
47.5°	74.5	74.5	76.1	76.1	76.1
50°	61.6	61.6	61.6	61.6	61.6
52.5°	51.8	50.2	51.8	51.8	51.8
55°	42.1	43.7	43.7	43.7	43.7
57.5°	35.6	37.3	37.3	37.3	37.3
60°	30.8	30.8	30.8	32.4	32.4
62.5°	25.9	27.5	27.5	27.5	27.5
65°	22.7	22.7	22.7	22.7	22.7
67.5°	19.4	19.4	19.4	19.4	21.1
70°	16.2	16.2	17.8	17.8	17.8
72.5°	14.6	14.6	14.6	14.6	14.6
75°	11.3	11.3	11.3	11.3	11.3
77.5°	8.1	8.1	9.7	9.7	8.1
80°	6.5	6.5	6.5	6.5	6.5
82.5°	4.9	4.9	4.9	4.9	4.9
85°	1.6	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1320406
CATALOG NUMBER: LDSQA3D20R309840D010 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)