

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: P1318654

Luminaire Tested: LDSQA3D20R309830D010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318654
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: LDSQA3D20R309830D010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

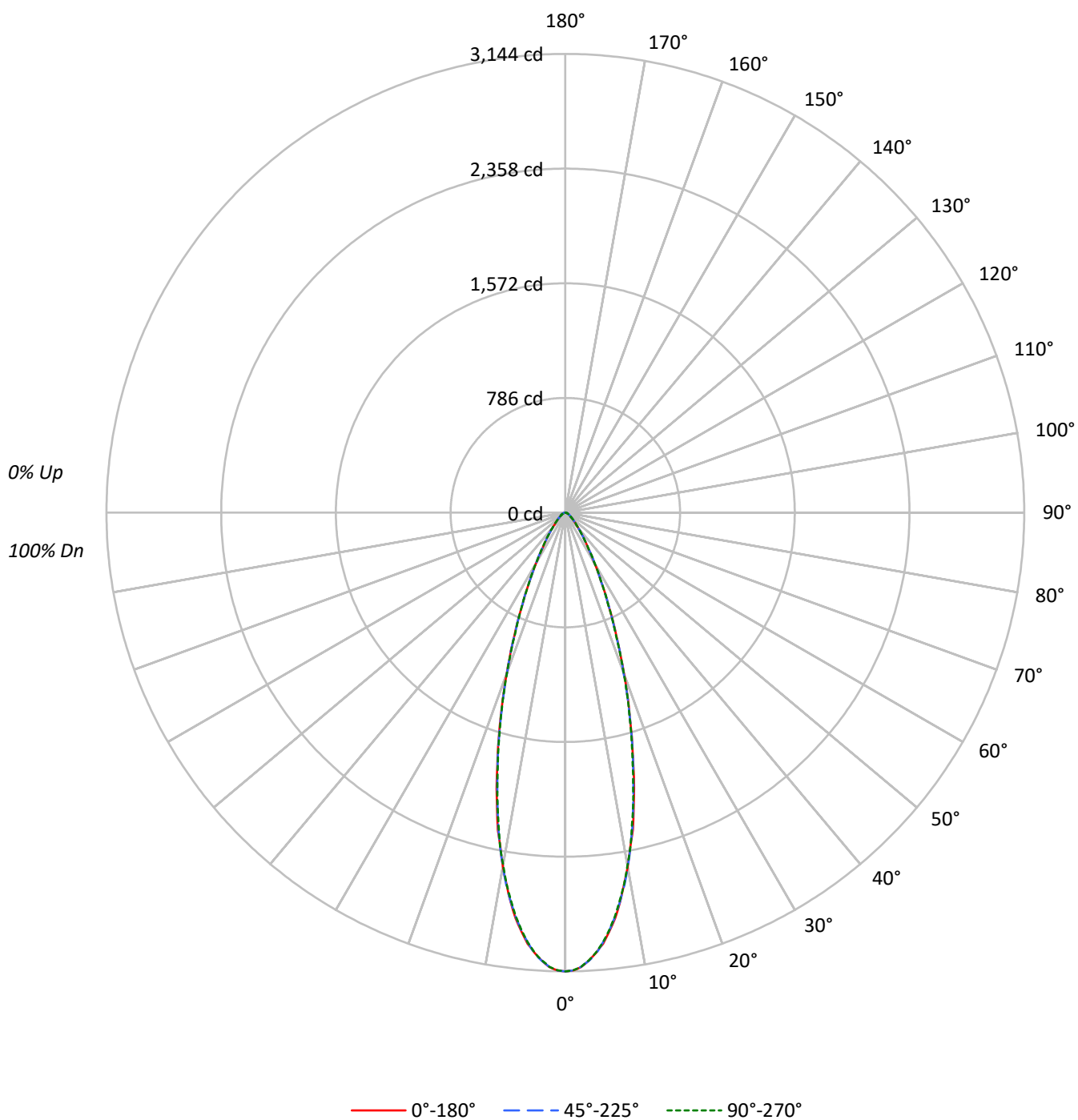
Lumens per Lamp: N/A
Luminaire Lumens: 1381.0 lumens
Efficiency: N/A
Efficacy: 50.4 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
Input Voltage (V): NR
Input Current (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: P1318654

CATALOG NUMBER: LDSQA3D20R309830D010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1318654

CATALOG NUMBER: LDSQA3D20R309830D010 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	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	541554	541554	541554
5°	512729	511398	511138
10°	430746	430746	429137
15°	320919	320116	318208
20°	214781	213663	213956
25°	132392	132107	132696
30°	79606	79606	79924
35°	48819	48819	49155
40°	30913	30913	31610
45°	21214	21579	21579
50°	15567	15567	15567
55°	11920	12401	12401
60°	9989	9989	10540
65°	8721	8721	8721
70°	7704	8460	8460
75°	7120	7120	7120
80°	6050	6050	6050
85°	2964	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 21579 cd/sqm

TEST NUMBER: P1318654

CATALOG NUMBER: LDSQA3D20R309830D010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.6	19.3
10°-20°	492.2	35.6
20°-30°	327.2	23.7
30°-40°	151.3	11.0
40°-50°	70.2	5.1
50°-60°	37.5	2.7
60°-70°	21.9	1.6
70°-80°	11.6	0.8
80°-90°	2.5	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°	1086.0	78.6
0°-40°	1237.2	89.6
0°-60°	1345.0	97.4
0°-90°	1381.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1381.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3144	3144	3144	3144	3144	
5°	2966	2960	2958	2966	2957	267
15°	1800	1806	1795	1795	1785	494
25°	697	695	695	695	698	328
35°	232	231	232	234	234	150
45°	87	87	89	89	89	70
55°	40	41	41	41	41	37
65°	21	21	21	21	21	21
75°	11	11	11	11	11	11
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1318654

CATALOG NUMBER: LDSQA3D20R309830D010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3144.5	3144.5	3144.5	3144.5	3144.5
1°	3138.4	3135.4	3138.4	3143.0	3136.9
2°	3117.0	3114.0	3114.0	3120.1	3114.0
3°	3075.8	3078.8	3077.3	3083.4	3072.7
4°	3023.8	3022.3	3028.4	3031.5	3022.3
5°	2965.8	2959.7	2958.1	2965.8	2956.6
6°	2886.3	2881.7	2878.7	2887.8	2875.6
7°	2800.8	2797.7	2793.1	2796.2	2787.0
8°	2695.3	2693.8	2690.7	2693.8	2683.1
9°	2577.7	2577.7	2583.8	2582.3	2576.1
10°	2463.1	2466.1	2463.1	2466.1	2453.9
11°	2334.7	2334.7	2337.8	2336.3	2337.8
12°	2223.2	2211.0	2207.9	2204.8	2195.7
13°	2079.6	2070.4	2067.3	2070.4	2065.8
14°	1948.1	1942.0	1926.8	1929.8	1923.7
15°	1799.9	1806.0	1795.4	1795.4	1784.7
17.5°	1471.4	1465.3	1468.4	1469.9	1465.3
20°	1171.9	1168.9	1165.8	1162.8	1167.4
22.5°	910.7	912.2	909.1	906.1	903.0
25°	696.7	695.2	695.2	695.2	698.3
27.5°	528.7	528.7	528.7	530.2	530.2
30°	400.3	397.3	400.3	401.9	401.9
32.5°	299.5	302.5	304.1	304.1	304.1
35°	232.2	230.7	232.2	233.8	233.8
37.5°	177.2	177.2	178.8	178.8	180.3
40°	137.5	137.5	137.5	139.0	140.6
42.5°	108.5	108.5	110.0	110.0	111.5
45°	87.1	87.1	88.6	88.6	88.6
47.5°	70.3	70.3	71.8	71.8	71.8
50°	58.1	58.1	58.1	58.1	58.1
52.5°	48.9	47.4	48.9	48.9	48.9
55°	39.7	41.3	41.3	41.3	41.3
57.5°	33.6	35.1	35.1	35.1	35.1
60°	29.0	29.0	29.0	30.6	30.6
62.5°	24.4	26.0	26.0	26.0	26.0
65°	21.4	21.4	21.4	21.4	21.4
67.5°	18.3	18.3	18.3	18.3	19.9
70°	15.3	15.3	16.8	16.8	16.8
72.5°	13.8	13.8	13.8	13.8	13.8
75°	10.7	10.7	10.7	10.7	10.7
77.5°	7.6	7.6	9.2	9.2	7.6
80°	6.1	6.1	6.1	6.1	6.1
82.5°	4.6	4.6	4.6	4.6	4.6
85°	1.5	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1318654
CATALOG NUMBER: LDSQA3D20R309830D010 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)