

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: P1311757

Luminaire Tested: LDSQA3D20R209040D010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R209040D010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

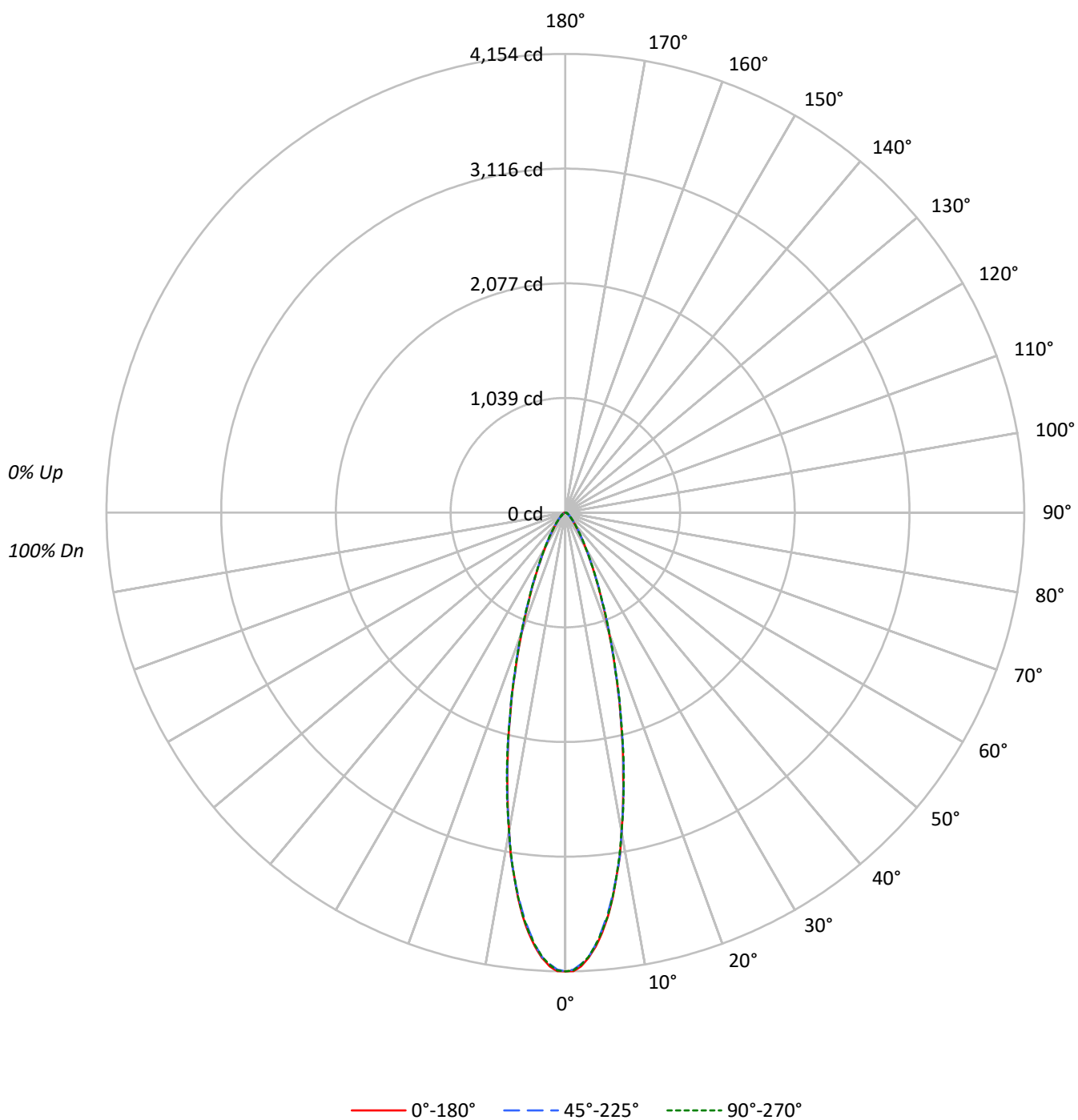
Lumens per Lamp: N/A
Luminaire Lumens: 1460.0 lumens
Efficiency: N/A
Efficacy: 50.7 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1311757

CATALOG NUMBER: LDSQA3D20R209040D010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311757

CATALOG NUMBER: LDSQA3D20R209040D010 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	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	715499	715499	715499
5°	660092	656324	658519
10°	512239	512869	512869
15°	346219	347842	347842
20°	210272	212929	213937
25°	123346	125076	124733
30°	71950	73401	73759
35°	43962	45098	45098
40°	28620	29024	29429
45°	19923	20362	20824
50°	14602	15111	15111
55°	11470	12010	12010
60°	10023	10023	10643
65°	8884	8884	9617
70°	8258	8258	8258
75°	7253	7253	7253
80°	5455	5455	7240
85°	3557	3557	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 20824 cd/sqm

TEST NUMBER: P1311757

CATALOG NUMBER: LDSQA3D20R209040D010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.0	22.9
10°-20°	536.5	36.7
20°-30°	310.7	21.3
30°-40°	139.3	9.5
40°-50°	66.1	4.5
50°-60°	36.2	2.5
60°-70°	22.0	1.5
70°-80°	11.8	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°	1182.2	81.0
0°-40°	1321.5	90.5
0°-60°	1423.7	97.5
0°-90°	1460.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1460.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4154	4154	4154	4154	4154	
5°	3818	3805	3796	3804	3809	336
15°	1942	1942	1951	1942	1951	535
25°	649	649	658	653	656	308
35°	209	211	214	216	214	136
45°	82	82	84	84	86	65
55°	38	38	40	40	40	35
65°	22	22	22	22	24	22
75°	11	11	11	11	11	12
85°	2	2	2	2	4	2
90°	0	0	0	0	0	

TEST NUMBER: P1311757

CATALOG NUMBER: LDSQA3D20R209040D010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4154.5	4154.5	4154.5	4154.5	4154.5
1°	4152.7	4141.8	4138.2	4134.5	4145.4
2°	4110.9	4098.2	4090.9	4094.5	4096.4
3°	4036.4	4029.1	4029.1	4023.6	4027.3
4°	3940.0	3925.4	3925.4	3927.3	3927.3
5°	3818.2	3805.4	3796.4	3803.6	3809.1
6°	3681.8	3665.4	3658.2	3660.0	3672.7
7°	3514.5	3492.7	3496.4	3505.4	3505.4
8°	3325.4	3323.6	3327.3	3323.6	3327.3
9°	3150.9	3125.4	3147.3	3129.1	3138.2
10°	2929.1	2927.3	2932.7	2938.2	2932.7
12.5°	2423.6	2432.7	2436.4	2429.1	2445.4
15°	1941.8	1941.8	1950.9	1941.8	1950.9
17.5°	1510.9	1509.1	1516.4	1509.1	1520.0
20°	1147.3	1160.0	1161.8	1161.8	1167.3
22.5°	865.5	865.5	872.7	874.5	870.9
25°	649.1	649.1	658.2	652.7	656.4
27.5°	480.0	483.6	490.9	494.5	494.5
30°	361.8	363.6	369.1	370.9	370.9
32.5°	272.7	276.4	280.0	281.8	283.6
35°	209.1	210.9	214.5	216.4	214.5
37.5°	160.0	161.8	165.5	167.3	167.3
40°	127.3	127.3	129.1	130.9	130.9
42.5°	100.0	101.8	101.8	103.6	103.6
45°	81.8	81.8	83.6	83.6	85.5
47.5°	65.5	65.5	67.3	69.1	69.1
50°	54.5	54.5	56.4	56.4	56.4
52.5°	45.5	45.5	47.3	47.3	47.3
55°	38.2	38.2	40.0	40.0	40.0
57.5°	32.7	32.7	34.5	34.5	34.5
60°	29.1	29.1	29.1	29.1	30.9
62.5°	25.5	25.5	25.5	25.5	25.5
65°	21.8	21.8	21.8	21.8	23.6
67.5°	18.2	18.2	18.2	18.2	20.0
70°	16.4	16.4	16.4	16.4	16.4
72.5°	12.7	12.7	12.7	14.5	14.5
75°	10.9	10.9	10.9	10.9	10.9
77.5°	9.1	9.1	9.1	9.1	9.1
80°	5.5	5.5	5.5	7.3	7.3
82.5°	3.6	3.6	3.6	3.6	3.6
85°	1.8	1.8	1.8	1.8	3.6
87.5°	0.0	0.0	0.0	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)