

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: P1310625

Luminaire Tested: LDSQA3D20R159035D010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310625  
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: LDSQA3D20R159035D010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

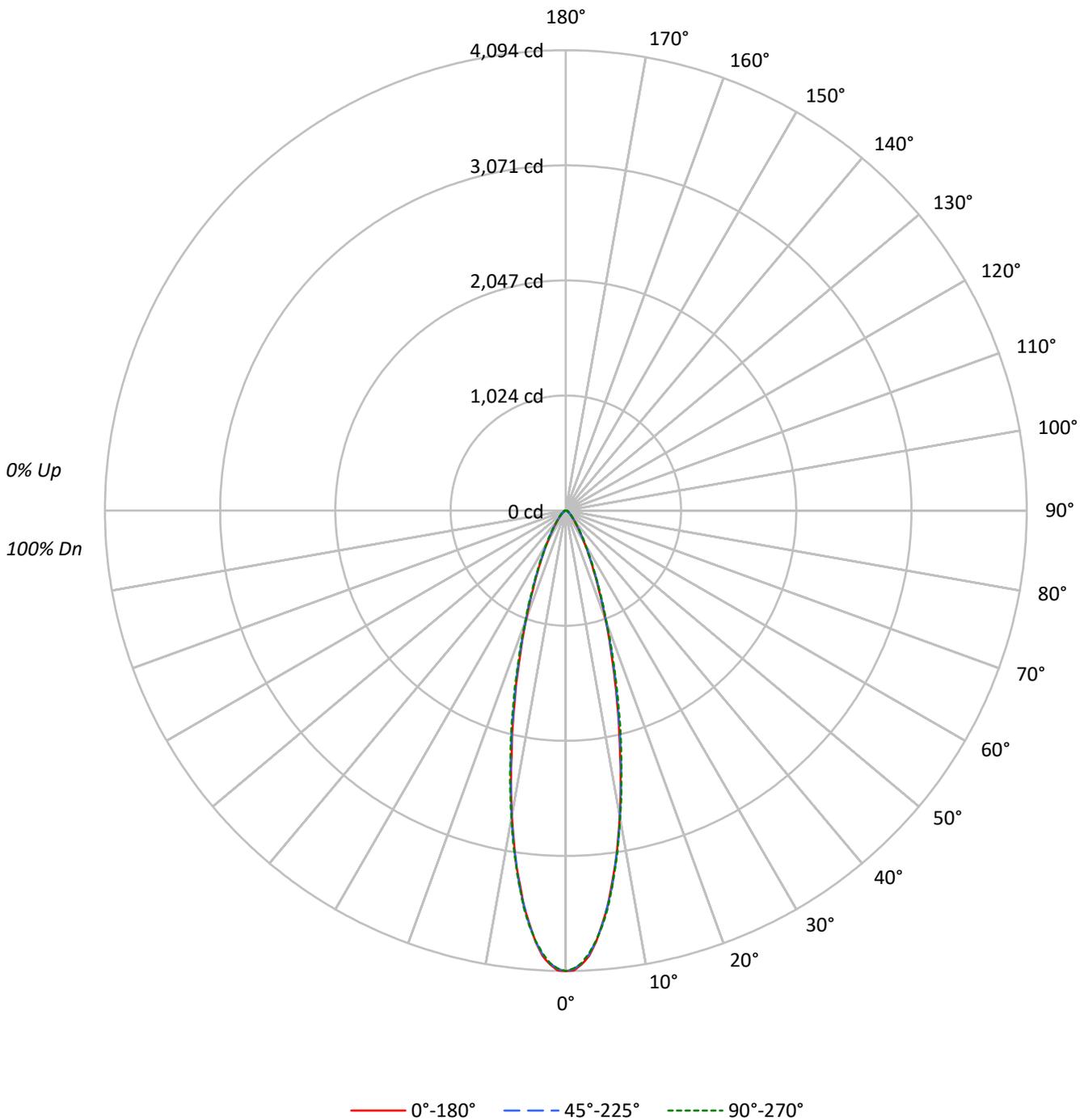
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1354.0 lumens  
Efficiency: N/A  
Efficacy: 47.0 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): 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: P1310625  
CATALOG NUMBER: LDSQA3D20R159035D010 3LSQPHRL1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1310625

CATALOG NUMBER: LDSQA3D20R159035D010 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	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°	705148	705148	705148
5°	638707	639917	640816
10°	482213	483437	485868
15°	312770	316194	322381
20°	188316	190552	193099
25°	110025	112325	113978
30°	64651	66739	67773
35°	39841	41313	42028
40°	26192	26978	27361
45°	18218	18632	19046
50°	13504	13986	14441
55°	10960	11470	11470
60°	9576	9576	9576
65°	8517	8517	8517
70°	6999	7855	7855
75°	6920	6920	6920
80°	5157	6943	6943
85°	3359	3359	3359

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 19046 cd/sqm



TEST NUMBER: P1310625

CATALOG NUMBER: LDSQA3D20R159035D010 3LSQPHRL1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	322.5	23.8
10°-20°	493.1	36.4
20°-30°	280.3	20.7
30°-40°	127.9	9.4
40°-50°	61.3	4.5
50°-60°	34.3	2.5
60°-70°	21.0	1.5
70°-80°	11.2	0.8
80°-90°	2.4	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°	1095.9	80.9
0°-40°	1223.8	90.4
0°-60°	1319.5	97.4
0°-90°	1354.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1354.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4094	4094	4094	4094	4094	
5°	3694	3693	3702	3702	3707	322
15°	1754	1763	1773	1798	1808	487
25°	579	579	591	596	600	275
35°	190	193	196	200	200	124
45°	75	75	76	78	78	60
55°	36	36	38	38	38	34
65°	21	21	21	21	21	21
75°	10	10	10	10	10	11
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



TEST NUMBER: P1310625  
 CATALOG NUMBER: LDSQA3D20R159035D010 3LSQPHRL1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4094.4	4094.4	4094.4	4094.4	4094.4
1°	4090.9	4080.5	4077.0	4075.3	4071.8
2°	4038.8	4030.1	4028.3	4028.3	4026.6
3°	3965.8	3950.1	3951.8	3946.6	3941.4
4°	3842.3	3835.4	3838.8	3842.3	3835.4
5°	3694.5	3692.8	3701.5	3701.5	3706.7
6°	3541.5	3539.8	3534.6	3548.5	3555.4
7°	3346.8	3357.2	3371.1	3364.2	3369.4
8°	3169.5	3157.3	3162.5	3179.9	3181.6
9°	2960.8	2952.1	2974.7	2981.7	2983.4
10°	2757.4	2766.1	2764.4	2788.7	2778.3
12.5°	2227.1	2241.1	2256.7	2267.1	2277.6
15°	1754.2	1762.9	1773.4	1797.7	1808.1
17.5°	1349.2	1359.6	1370.0	1390.9	1394.4
20°	1027.5	1032.7	1039.7	1058.8	1053.6
22.5°	768.5	777.2	784.1	792.8	798.0
25°	579.0	579.0	591.1	596.3	599.8
27.5°	431.2	434.7	443.3	450.3	448.6
30°	325.1	330.3	335.6	339.0	340.8
32.5°	250.4	250.4	255.6	260.8	262.5
35°	189.5	193.0	196.5	199.9	199.9
37.5°	147.8	149.5	153.0	154.7	154.7
40°	116.5	116.5	120.0	121.7	121.7
42.5°	92.1	93.9	95.6	97.4	97.4
45°	74.8	74.8	76.5	78.2	78.2
47.5°	60.9	60.9	62.6	64.3	64.3
50°	50.4	52.2	52.2	53.9	53.9
52.5°	43.5	43.5	43.5	45.2	45.2
55°	36.5	36.5	38.2	38.2	38.2
57.5°	31.3	31.3	31.3	33.0	33.0
60°	27.8	27.8	27.8	27.8	27.8
62.5°	24.3	24.3	24.3	24.3	24.3
65°	20.9	20.9	20.9	20.9	20.9
67.5°	17.4	17.4	17.4	19.1	19.1
70°	13.9	15.6	15.6	15.6	15.6
72.5°	12.2	12.2	12.2	12.2	12.2
75°	10.4	10.4	10.4	10.4	10.4
77.5°	8.7	8.7	8.7	8.7	8.7
80°	5.2	7.0	7.0	7.0	7.0
82.5°	3.5	3.5	3.5	3.5	3.5
85°	1.7	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)