

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: P1312833

Luminaire Tested: LDSQA3D20R209050D010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312833  
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: LDSQA3D20R209050D010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

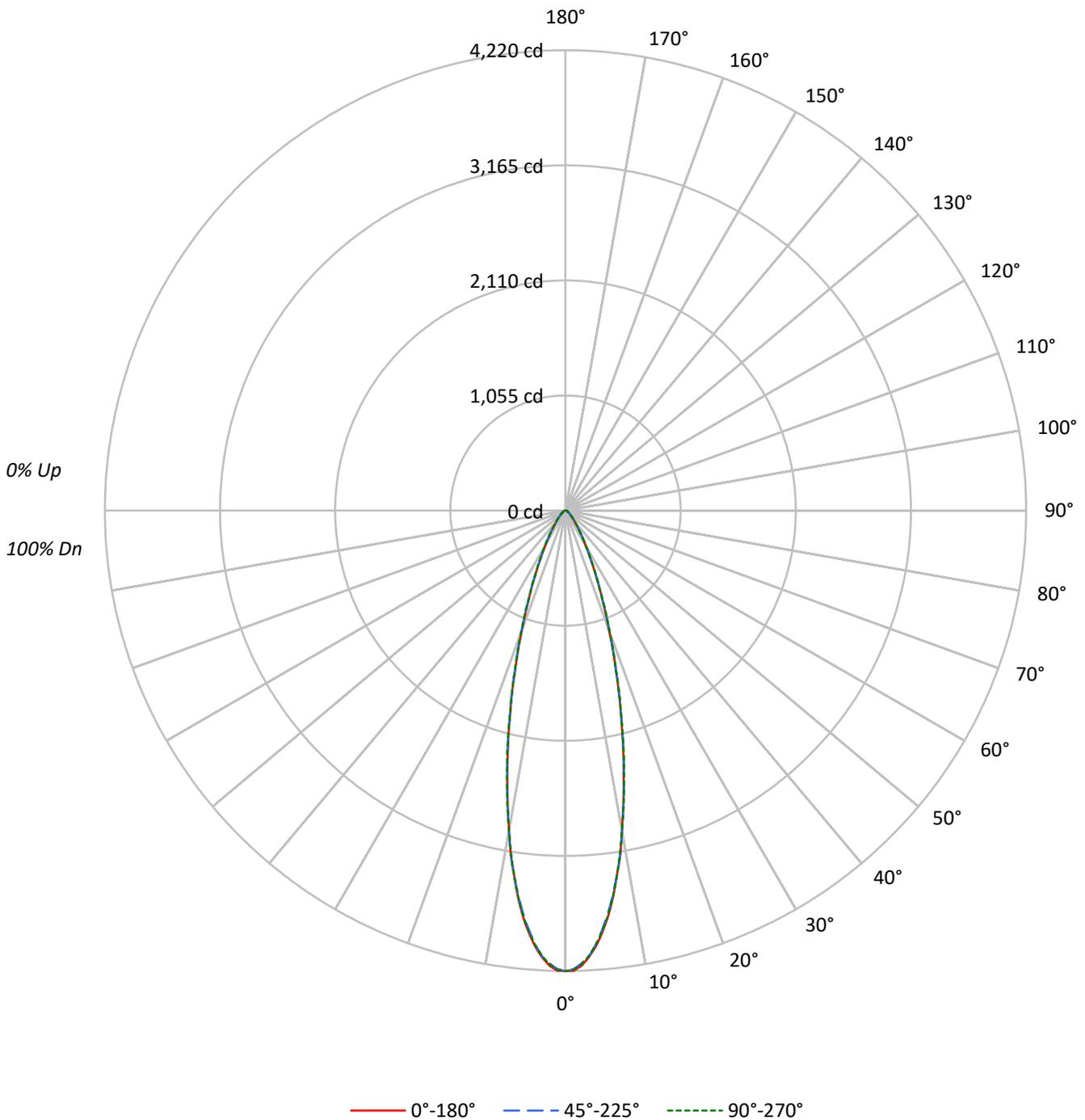
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1483.0 lumens  
Efficiency: N/A  
Efficacy: 51.5 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: P1312833  
CATALOG NUMBER: LDSQA3D20R209050D010 3LSQPHRL1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P1312833

CATALOG NUMBER: LDSQA3D20R209050D010 3LSQPHRL1MMS

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	726780	726780	726780
5°	670482	666662	668892
10°	520301	520948	520948
15°	351675	353315	353315
20°	213571	216283	217310
25°	125285	127033	126691
30°	73083	74555	74933
35°	44656	45812	45812
40°	29069	29474	29901
45°	20240	20703	21141
50°	14843	15352	15352
55°	11650	12191	12191
60°	10161	10161	10816
65°	9047	9047	9780
70°	8359	8359	8359
75°	7386	7386	7386
80°	5455	5455	7339
85°	3557	3557	7311

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 21141 cd/sqm



TEST NUMBER: P1312833

CATALOG NUMBER: LDSQA3D20R209050D010 3LSQPHRL1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	340.3	22.9
10°-20°	544.9	36.7
20°-30°	315.6	21.3
30°-40°	141.5	9.5
40°-50°	67.1	4.5
50°-60°	36.7	2.5
60°-70°	22.3	1.5
70°-80°	11.9	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°	1200.8	81.0
0°-40°	1342.3	90.5
0°-60°	1446.2	97.5
0°-90°	1483.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1483.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4220	4220	4220	4220	4220	
5°	3878	3865	3856	3864	3869	341
15°	1972	1972	1982	1972	1982	543
25°	659	659	668	663	667	312
35°	212	214	218	220	218	139
45°	83	83	85	85	87	66
55°	39	39	41	41	41	36
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: P1312833

CATALOG NUMBER: LDSQA3D20R209050D010 3LSQPHRL1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4220.0	4220.0	4220.0	4220.0	4220.0
1°	4218.1	4207.1	4203.4	4199.7	4210.7
2°	4175.7	4162.7	4155.3	4159.0	4160.9
3°	4099.9	4092.6	4092.6	4087.0	4090.7
4°	4002.1	3987.3	3987.3	3989.1	3989.1
5°	3878.3	3865.4	3856.2	3863.5	3869.1
6°	3739.8	3723.2	3715.8	3717.6	3730.6
7°	3569.9	3547.7	3551.4	3560.7	3560.7
8°	3377.8	3376.0	3379.7	3376.0	3379.7
9°	3200.5	3174.7	3196.8	3178.4	3187.6
10°	2975.2	2973.4	2978.9	2984.5	2978.9
12.5°	2461.8	2471.0	2474.7	2467.4	2484.0
15°	1972.4	1972.4	1981.6	1972.4	1981.6
17.5°	1534.7	1532.9	1540.2	1532.9	1543.9
20°	1165.3	1178.3	1180.1	1180.1	1185.7
22.5°	879.1	879.1	886.5	888.3	884.6
25°	659.3	659.3	668.5	663.0	666.7
27.5°	487.6	491.3	498.6	502.3	502.3
30°	367.5	369.4	374.9	376.8	376.8
32.5°	277.0	280.7	284.4	286.3	288.1
35°	212.4	214.2	217.9	219.8	217.9
37.5°	162.5	164.4	168.1	169.9	169.9
40°	129.3	129.3	131.1	133.0	133.0
42.5°	101.6	103.4	103.4	105.3	105.3
45°	83.1	83.1	85.0	85.0	86.8
47.5°	66.5	66.5	68.3	70.2	70.2
50°	55.4	55.4	57.3	57.3	57.3
52.5°	46.2	46.2	48.0	48.0	48.0
55°	38.8	38.8	40.6	40.6	40.6
57.5°	33.2	33.2	35.1	35.1	35.1
60°	29.5	29.5	29.5	29.5	31.4
62.5°	25.9	25.9	25.9	25.9	25.9
65°	22.2	22.2	22.2	22.2	24.0
67.5°	18.5	18.5	18.5	18.5	20.3
70°	16.6	16.6	16.6	16.6	16.6
72.5°	12.9	12.9	12.9	14.8	14.8
75°	11.1	11.1	11.1	11.1	11.1
77.5°	9.2	9.2	9.2	9.2	9.2
80°	5.5	5.5	5.5	7.4	7.4
82.5°	3.7	3.7	3.7	3.7	3.7
85°	1.8	1.8	1.8	1.8	3.7
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)