

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: P1309517

Luminaire Tested: LDSQA3D20R209030D010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309517  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R209030D010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

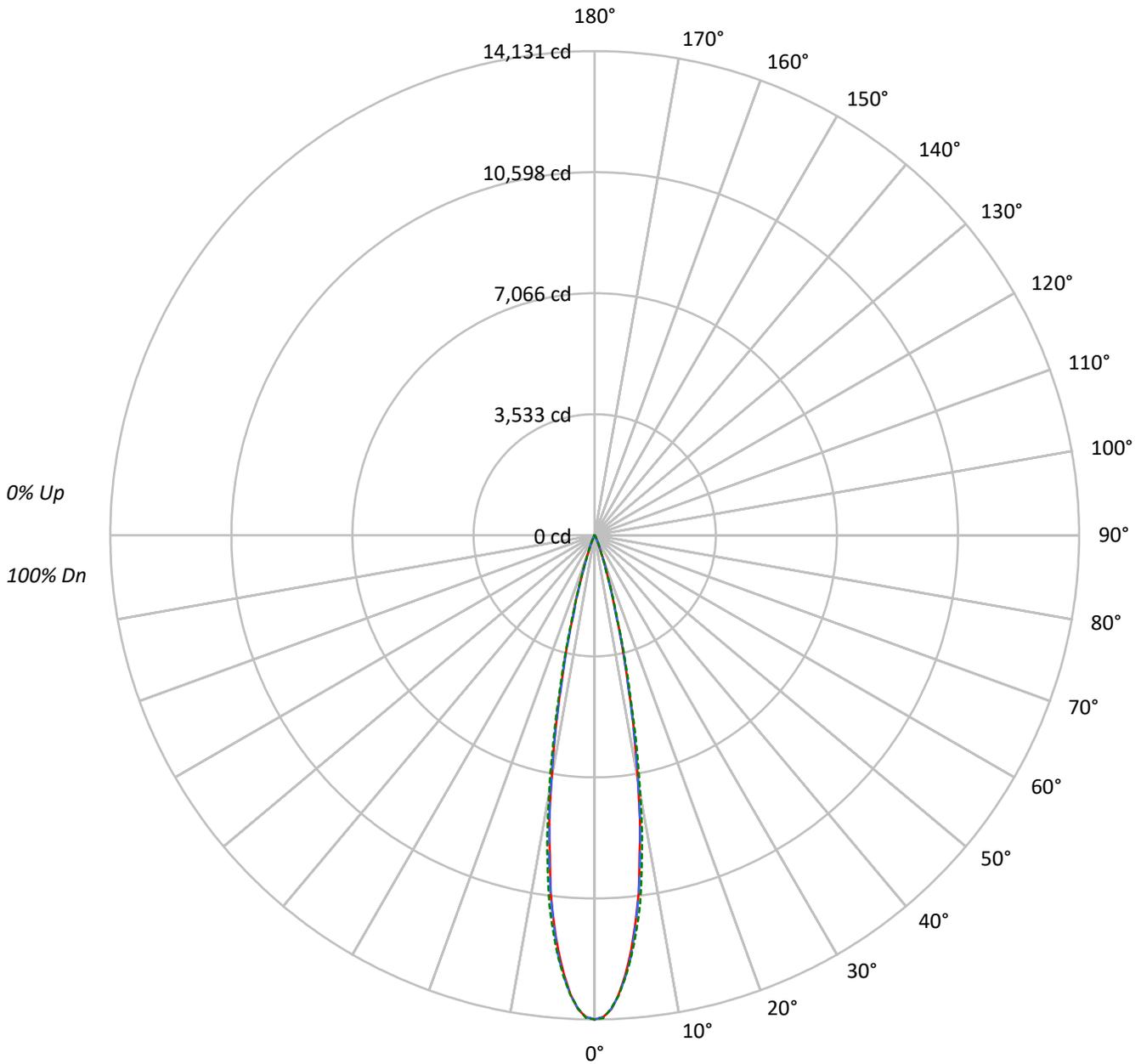
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1898.0 lumens  
Efficiency: N/A  
Efficacy: 65.9 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33  
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: P1309517  
CATALOG NUMBER: LDSQA3D20R209030D010 3LSQPHR1MMS

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - · - · 90°-270°



TEST NUMBER: P1309517  
 CATALOG NUMBER: LDSQA3D20R209030D010 3LSQPHR1MMS

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	95	96	95	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	95	93	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	91	88	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	89	87	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	88	86	84	83

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

	0°	45°	90°
0°	2433713	2433713	2433713
5°	2102434	2122022	2129922
10°	1265638	1277477	1341046
15°	437757	427505	461578
20°	114969	108151	108462
25°	25065	30195	34376
30°	10759	10759	11097
35°	6034	5340	5698
40°	2653	3035	3417
45°	828	1242	1242
50°	455	455	455
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 1242 cd/sqm



TEST NUMBER: P1309517

CATALOG NUMBER: LDSQA3D20R209030D010 3LSQPHR1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1010.7	53.3
10°-20°	769.5	40.5
20°-30°	95.2	5.0
30°-40°	18.0	0.9
40°-50°	4.3	0.2
50°-60°	0.3	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1875.4	98.8
0°-40°	1893.4	99.8
0°-60°	1898.0	100.0
0°-90°	1898.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1898.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	14131	14131	14131	14131	14131	
5°	12161	12153	12274	12266	12320	1003
15°	2455	2367	2398	2542	2589	769
25°	132	150	159	166	181	91
35°	29	29	25	27	27	18
45°	3	5	5	5	5	4
55°	0	0	0	0	0	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1309517  
 CATALOG NUMBER: LDSQA3D20R209030D010 3LSQPHR1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	14131.2	14131.2	14131.2	14131.2	14131.2
1°	14065.2	14048.3	14061.8	14033.1	14092.3
2°	13840.3	13823.4	13823.4	13806.5	13815.0
3°	13421.0	13448.0	13431.1	13395.6	13441.3
4°	12849.4	12879.9	12906.9	12908.6	12915.4
5°	12161.2	12152.8	12274.5	12266.1	12320.2
6°	11376.6	11366.5	11418.9	11506.8	11615.1
7°	10514.3	10390.8	10531.2	10708.7	10854.1
8°	9398.2	9430.4	9526.7	9736.4	9853.1
9°	8451.3	8263.6	8468.2	8718.5	8845.3
10°	7237.2	7085.0	7304.9	7568.6	7668.4
12.5°	4555.4	4423.5	4494.5	4771.8	4815.8
15°	2455.2	2367.3	2397.7	2541.5	2588.8
17.5°	1253.0	1173.5	1156.6	1247.9	1258.1
20°	627.3	608.7	590.1	598.6	591.8
22.5°	290.8	316.2	312.8	295.9	316.2
25°	131.9	150.5	158.9	165.7	180.9
27.5°	81.2	77.8	89.6	96.4	98.1
30°	54.1	52.4	54.1	55.8	55.8
32.5°	38.9	37.2	35.5	35.5	37.2
35°	28.7	28.7	25.4	27.1	27.1
37.5°	20.3	20.3	18.6	20.3	20.3
40°	11.8	13.5	13.5	13.5	15.2
42.5°	6.8	8.5	8.5	8.5	8.5
45°	3.4	5.1	5.1	5.1	5.1
47.5°	1.7	1.7	1.7	3.4	3.4
50°	1.7	1.7	1.7	1.7	1.7
52.5°	1.7	0.0	0.0	0.0	1.7
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)