

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: P1316848

Luminaire Tested: LDSQA3D20R159740D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316848  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R159740D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

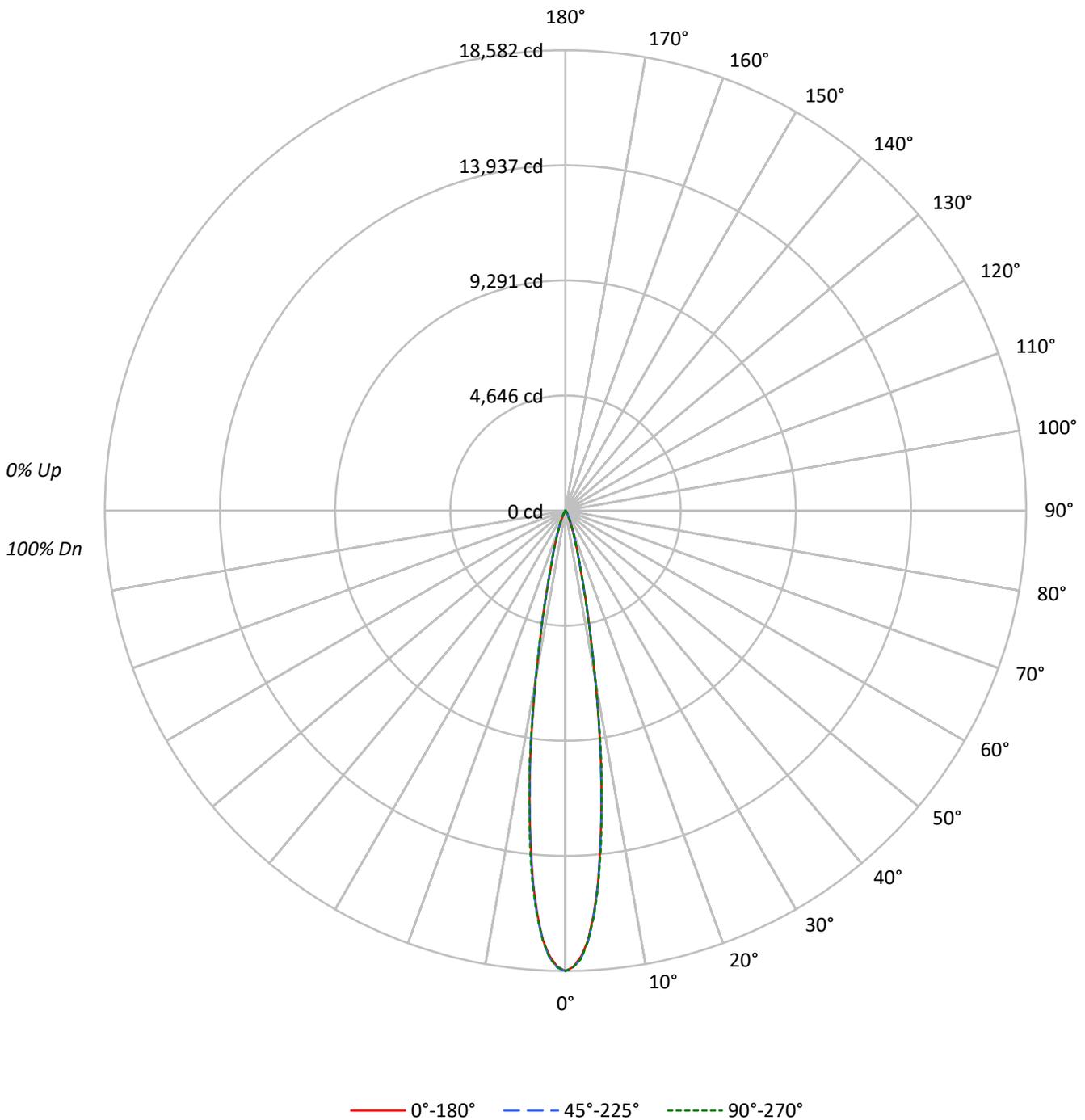
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2086.0 lumens  
Efficiency: N/A  
Efficacy: 72.4 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
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 (A<sub>in</sub>): 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: P1316848  
CATALOG NUMBER: LDSQA3D20R159740D010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1316848

CATALOG NUMBER: LDSQA3D20R159740D010 3LSQCDR1MW

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

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

	0°	45°	90°
0°	3200172	3200172	3200172
5°	2602197	2611256	2620315
10°	1211880	1213034	1206441
15°	374961	388404	381094
20°	149498	157892	147683
25°	62557	73768	59440
30°	25415	33867	23446
35°	8263	15495	7569
40°	2945	6250	2945
45°	1193	1997	1193
50°	884	1313	884
55°	991	991	991
60°	1137	1137	1137
65°	652	652	652
70°	806	806	806
75°	1065	1065	1065
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1997 cd/sqm



TEST NUMBER: P1316848

CATALOG NUMBER: LDSQA3D20R159740D010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1163.1	55.8
10°-20°	695.4	33.3
20°-30°	177.0	8.5
30°-40°	38.4	1.8
40°-50°	6.2	0.3
50°-60°	3.0	0.1
60°-70°	1.8	0.1
70°-80°	1.0	0.1
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°	2035.5	97.6
0°-40°	2073.9	99.4
0°-60°	2083.1	99.9
0°-90°	2086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2086.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	18582	18582	18582	18582	18582	
5°	15052	15073	15104	15036	15157	1161
15°	2103	2162	2178	2147	2137	692
25°	329	352	388	344	313	167
35°	39	51	74	49	36	31
45°	5	7	8	7	5	5
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1316848  
 CATALOG NUMBER: LDSQA3D20R159740D010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	18581.6	18581.6	18581.6	18581.6	18581.6
1°	18419.4	18450.5	18455.5	18450.5	18424.3
2°	18005.0	18096.8	18077.1	18037.8	18093.5
3°	17364.6	17410.5	17403.9	17407.2	17394.1
4°	16323.0	16403.2	16357.3	16391.7	16395.0
5°	15052.0	15073.3	15104.4	15035.6	15156.8
6°	13487.8	13623.8	13504.2	13622.1	13669.6
7°	11897.4	11976.1	11823.7	11905.6	11954.8
8°	10271.0	10133.5	10217.0	10218.6	10380.8
9°	8515.3	8543.1	8613.5	8533.3	8603.7
10°	6929.8	6993.7	6936.4	6908.5	6898.7
11°	5472.1	5544.2	5539.3	5547.4	5493.4
12°	4402.6	4364.9	4389.5	4309.2	4345.3
13°	3426.4	3428.0	3408.4	3375.6	3346.2
14°	2684.5	2668.1	2713.9	2673.0	2635.3
15°	2103.0	2162.0	2178.4	2147.2	2137.4
17.5°	1297.2	1298.8	1321.8	1292.3	1289.0
20°	815.7	835.3	861.5	830.4	805.8
22.5°	515.9	533.9	574.9	535.6	501.2
25°	329.2	352.1	388.2	344.0	312.8
27.5°	206.4	227.7	262.1	221.1	198.2
30°	127.8	142.5	170.3	139.2	117.9
32.5°	73.7	88.4	111.4	83.5	70.4
35°	39.3	50.8	73.7	49.1	36.0
37.5°	22.9	29.5	47.5	26.2	21.3
40°	13.1	18.0	27.8	16.4	13.1
42.5°	8.2	11.5	13.1	9.8	6.6
45°	4.9	6.6	8.2	6.6	4.9
47.5°	3.3	4.9	6.6	3.3	3.3
50°	3.3	3.3	4.9	3.3	3.3
52.5°	3.3	3.3	3.3	3.3	3.3
55°	3.3	3.3	3.3	3.3	3.3
57.5°	3.3	3.3	3.3	3.3	3.3
60°	3.3	3.3	3.3	3.3	3.3
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
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



TEST NUMBER: P1316848

CATALOG NUMBER: LDSQA3D20R159740D010 3LSQCDR1MW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)