

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: P1308383

Luminaire Tested: LDSQA3D20R159027D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

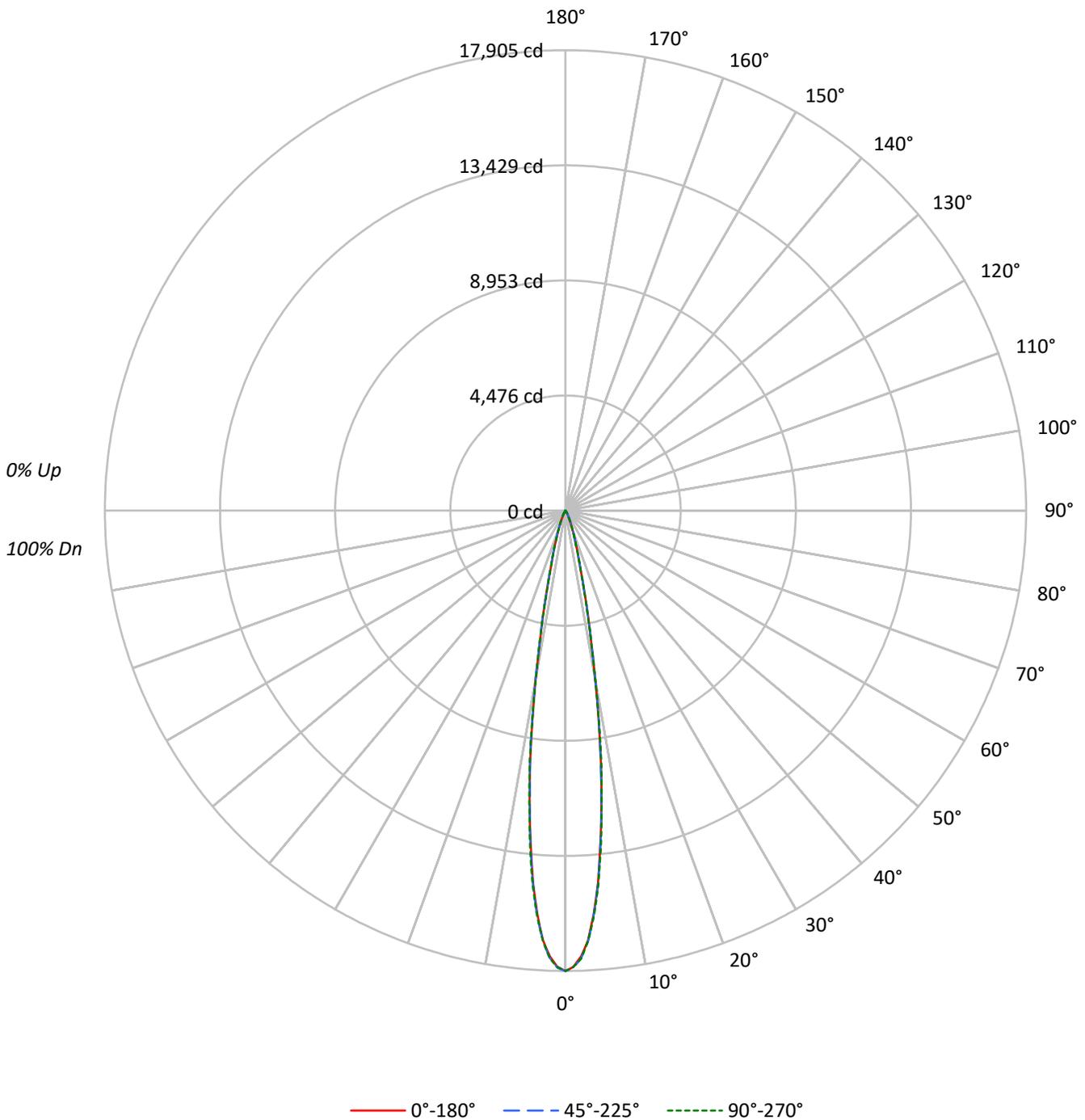
Test Method: LM-79-2019  
Report Number: P1308383  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R159027D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2010.1 lumens  
Efficiency: N/A  
Efficacy: 69.8 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

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### Luminous Intensity Polar Plot





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**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	86	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°	3083577	3083577	3083577
5°	2507390	2516120	2524851
10°	1167723	1168824	1162476
15°	361303	374247	367205
20°	144036	152137	142313
25°	60276	71070	57274
30°	24480	32634	22591
35°	7968	14927	7296
40°	2833	6025	2833
45°	1145	1924	1145
50°	857	1259	857
55°	961	961	961
60°	1102	1102	1102
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: 1924 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1120.7	55.8
10°-20°	670.1	33.3
20°-30°	170.5	8.5
30°-40°	37.0	1.8
40°-50°	6.0	0.3
50°-60°	2.9	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°	1961.3	97.6
0°-40°	1998.4	99.4
0°-60°	2007.2	99.9
0°-90°	2010.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2010.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	17905	17905	17905	17905	17905	
5°	14504	14524	14554	14488	14605	1118
15°	2026	2083	2099	2069	2060	667
25°	317	339	374	331	301	161
35°	38	49	71	47	35	30
45°	5	6	8	6	5	4
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	17904.6	17904.6	17904.6	17904.6	17904.6
1°	17748.3	17778.3	17783.1	17778.3	17753.1
2°	17349.1	17437.4	17418.5	17380.6	17434.3
3°	16732.0	16776.2	16769.9	16773.0	16760.4
4°	15728.3	15805.6	15761.4	15794.5	15797.7
5°	14503.6	14524.1	14554.1	14487.8	14604.6
6°	12996.4	13127.4	13012.2	13125.8	13171.6
7°	11464.0	11539.7	11393.0	11471.9	11519.2
8°	9896.8	9764.3	9844.8	9846.3	10002.6
9°	8205.0	8231.8	8299.7	8222.4	8290.2
10°	6677.3	6738.9	6683.6	6656.8	6647.3
11°	5272.7	5342.2	5337.4	5345.3	5293.3
12°	4242.2	4205.9	4229.6	4152.2	4186.9
13°	3301.6	3303.2	3284.2	3252.7	3224.2
14°	2586.7	2570.9	2615.1	2575.6	2539.3
15°	2026.4	2083.2	2099.0	2069.0	2059.5
17.5°	1249.9	1251.5	1273.6	1245.2	1242.0
20°	785.9	804.9	830.1	800.1	776.5
22.5°	497.1	514.5	553.9	516.1	482.9
25°	317.2	339.3	374.0	331.4	301.4
27.5°	198.9	219.4	252.5	213.1	191.0
30°	123.1	137.3	164.1	134.1	113.6
32.5°	71.0	85.2	107.3	80.5	67.9
35°	37.9	48.9	71.0	47.3	34.7
37.5°	22.1	28.4	45.8	25.3	20.5
40°	12.6	17.4	26.8	15.8	12.6
42.5°	7.9	11.0	12.6	9.5	6.3
45°	4.7	6.3	7.9	6.3	4.7
47.5°	3.2	4.7	6.3	3.2	3.2
50°	3.2	3.2	4.7	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	3.2	3.2	3.2	3.2	3.2
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



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)