

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: P1308465

Luminaire Tested: LDSQA3D20R409027D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

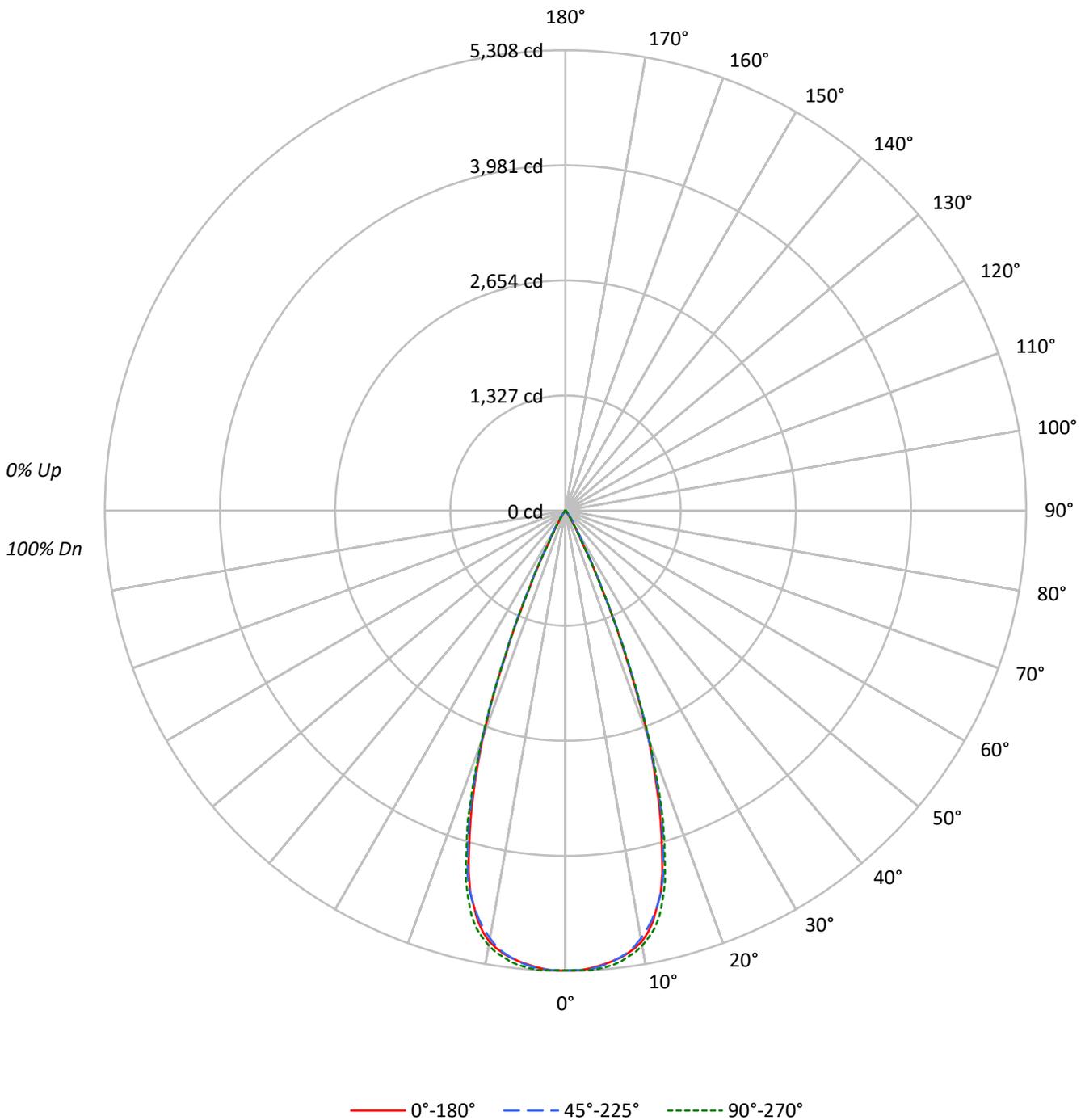
Test Method: LM-79-2019  
Report Number: P1308465  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R409027D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2244.1 lumens  
Efficiency: N/A  
Efficacy: 77.9 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	96	
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	92	
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	88	
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	85	
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	82	
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	79	
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	76	
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	73	
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	71	
10	84	77	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	69	68	

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

	0°	45°	90°
0°	913142	913142	913142
5°	907087	908452	913362
10°	882529	875901	890521
15°	768946	776827	788915
20°	512200	514803	519714
25°	186207	191908	187119
30°	39534	53037	39534
35°	13939	23547	13266
40°	4969	7442	4969
45°	1145	3069	1145
50°	857	1259	857
55°	961	961	961
60°	1102	1102	1102
65°	652	1304	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: 3069 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	495.4	22.1
10°-20°	1154.6	51.4
20°-30°	519.6	23.2
30°-40°	59.1	2.6
40°-50°	8.5	0.4
50°-60°	2.9	0.1
60°-70°	2.5	0.1
70°-80°	1.5	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°	2169.6	96.7
0°-40°	2228.8	99.3
0°-60°	2240.1	99.8
0°-90°	2244.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2244.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5302	5302	5302	5302	5302	
5°	5247	5241	5255	5278	5283	495
15°	4313	4324	4357	4392	4425	1145
25°	980	986	1010	1010	985	507
35°	66	74	112	71	63	50
45°	5	8	13	8	5	6
55°	3	3	3	3	3	3
65°	2	3	3	3	2	2
75°	2	2	2	2	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5302.1	5302.1	5302.1	5302.1	5302.1
1°	5305.3	5300.5	5299.0	5308.4	5300.5
2°	5300.5	5297.4	5299.0	5308.4	5302.1
3°	5286.3	5287.9	5292.6	5310.0	5308.4
4°	5269.0	5267.4	5276.9	5299.0	5299.0
5°	5246.9	5240.6	5254.8	5278.4	5283.2
6°	5221.6	5213.7	5224.8	5254.8	5265.8
7°	5193.2	5177.4	5186.9	5223.2	5237.4
8°	5155.4	5134.8	5145.9	5182.2	5193.2
9°	5108.0	5076.5	5085.9	5130.1	5152.2
10°	5046.5	5007.0	5008.6	5057.5	5092.2
11°	4959.7	4915.5	4917.1	4978.6	5014.9
12°	4844.5	4805.0	4812.9	4869.7	4928.1
13°	4688.3	4677.2	4686.7	4748.2	4801.9
14°	4536.8	4525.7	4543.1	4599.9	4625.1
15°	4312.7	4323.7	4356.9	4391.6	4424.7
17.5°	3602.6	3645.2	3684.7	3708.3	3736.7
20°	2794.7	2745.7	2808.9	2780.5	2835.7
22.5°	1803.7	1840.0	1855.7	1840.0	1846.3
25°	979.9	986.3	1009.9	1009.9	984.7
27.5°	416.6	449.7	479.7	468.7	416.6
30°	198.8	228.8	266.7	230.4	198.8
32.5°	112.0	132.6	172.0	129.4	108.9
35°	66.3	74.2	112.0	71.0	63.1
37.5°	39.5	41.0	61.5	42.6	37.9
40°	22.1	26.8	33.1	26.8	22.1
42.5°	11.0	15.8	20.5	15.8	11.0
45°	4.7	7.9	12.6	7.9	4.7
47.5°	4.7	4.7	7.9	4.7	4.7
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°	3.2	3.2	3.2	3.2	3.2
65°	1.6	3.2	3.2	3.2	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°	1.6	1.6	1.6	1.6	1.6
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)