

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: P1318330

Luminaire Tested: LDSQA3D13R209830DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

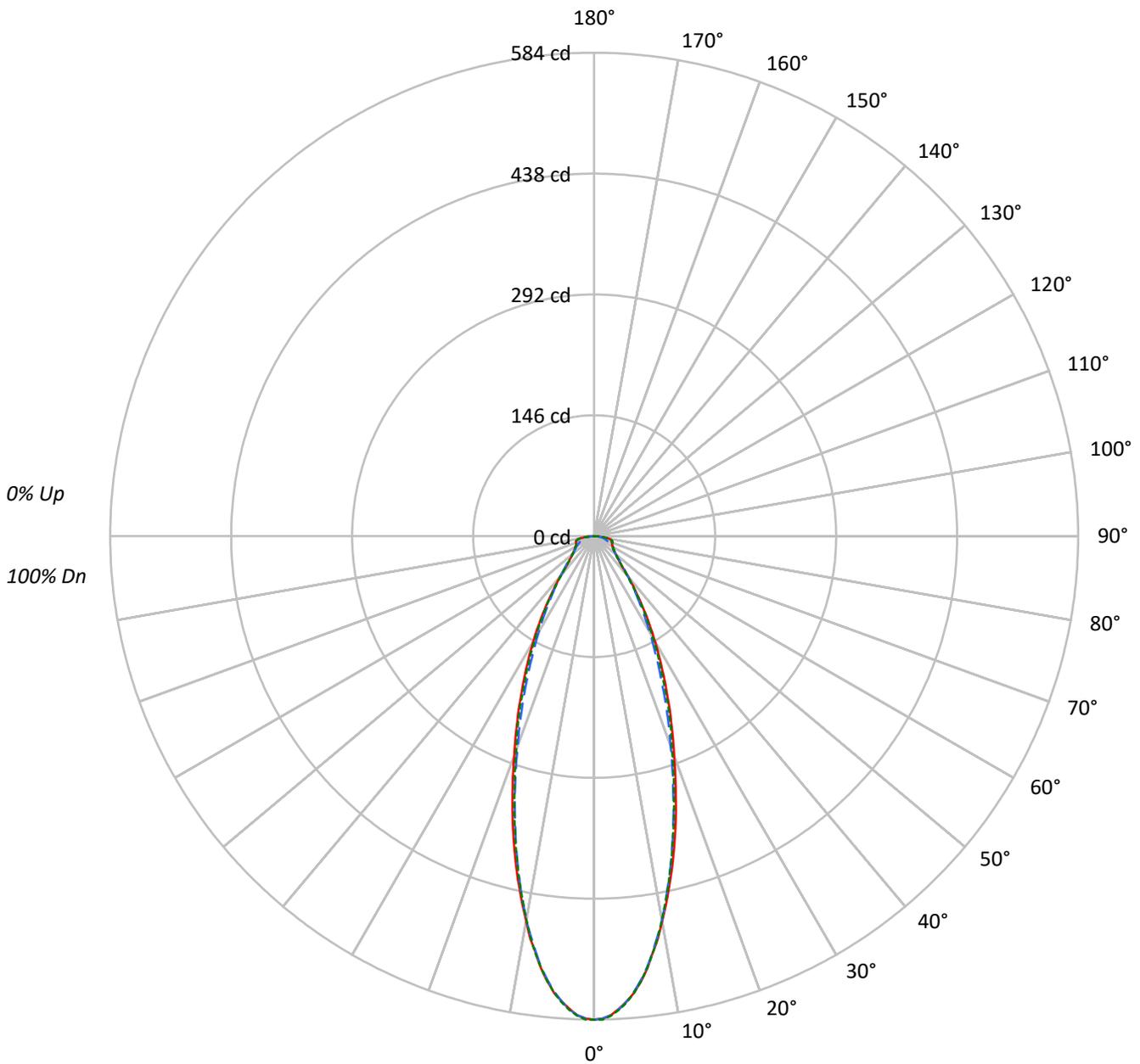
Test Method: LM-79-2019  
Report Number: P1318330  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R209830DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 412.0 lumens  
Efficiency: N/A  
Efficacy: 28.4 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.5  
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

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### Luminous Intensity Polar Plot



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



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**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	100	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80	80	80	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72	72	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66	66	66	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61	61	61	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	57	57	57	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	53	53	53	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	50	50	50	50
9	71	60	53	49	69	59	53	49	58	53	49	58	52	49	57	52	48	47	47	47	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44	44	44	44

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

	0°	45°	90°
0°	100612	100612	100612
5°	95741	95482	95741
10°	82648	82386	82263
15°	67076	65525	65774
20°	51684	49411	50346
25°	39260	36371	38157
30°	29114	26529	28259
35°	20583	19195	20268
40°	14186	14186	13849
45°	10424	10936	10424
50°	9136	9136	9136
55°	8708	8497	8708
60°	8990	8232	8990
65°	9740	8273	9740
70°	11682	8409	11682
75°	14972	9183	14972
80°	18646	9323	17951
85°	14227	8497	15808

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 18646 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.1	12.2
10°-20°	102.3	24.8
20°-30°	91.4	22.2
30°-40°	60.0	14.6
40°-50°	34.9	8.5
50°-60°	25.9	6.3
60°-70°	21.9	5.3
70°-80°	18.1	4.4
80°-90°	7.5	1.8
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°	243.8	59.2
0°-40°	303.8	73.7
0°-60°	364.6	88.5
0°-90°	412.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	412.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	584	584	584	584	584	
5°	554	553	552	553	554	50
15°	376	373	368	368	369	104
25°	207	201	191	196	201	95
35°	98	95	91	94	96	62
45°	43	44	45	44	43	34
55°	29	28	28	28	29	26
65°	24	22	20	22	24	24
75°	22	17	14	17	22	23
85°	7	8	4	8	8	8
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	584.2	584.2	584.2	584.2	584.2
1°	582.8	583.5	582.8	583.5	584.2
2°	579.1	579.9	579.1	579.1	579.9
3°	571.9	572.6	572.6	572.6	573.3
4°	563.2	563.9	563.2	563.9	564.6
5°	553.8	553.0	552.3	553.0	553.8
6°	540.7	540.0	539.3	540.0	540.7
7°	526.2	525.5	524.8	524.8	525.5
8°	508.1	508.8	506.7	508.1	508.8
9°	492.2	490.7	489.3	489.3	490.7
10°	472.6	471.1	471.1	470.4	470.4
12.5°	424.8	421.9	419.7	419.7	420.4
15°	376.2	372.6	367.5	368.2	368.9
17.5°	327.6	323.3	316.8	318.2	319.7
20°	282.0	277.6	269.6	272.5	274.7
22.5°	242.8	236.3	229.0	231.2	238.5
25°	206.6	200.8	191.4	196.4	200.8
27.5°	174.7	168.2	160.2	165.3	169.6
30°	146.4	140.6	133.4	137.7	142.1
32.5°	121.0	116.0	110.9	113.8	117.4
35°	97.9	95.0	91.3	94.2	96.4
37.5°	79.0	77.6	76.1	77.6	76.8
40°	63.1	63.8	63.1	63.1	61.6
42.5°	50.0	52.2	52.9	51.5	50.0
45°	42.8	43.5	44.9	43.5	42.8
47.5°	37.7	37.7	38.4	37.7	37.0
50°	34.1	34.1	34.1	34.1	34.1
52.5°	31.2	31.2	30.4	31.2	31.2
55°	29.0	28.3	28.3	28.3	29.0
57.5°	27.5	26.8	26.1	26.8	27.5
60°	26.1	24.6	23.9	24.6	26.1
62.5°	24.6	23.2	22.5	23.2	24.6
65°	23.9	21.7	20.3	21.7	23.9
67.5°	23.2	20.3	18.8	20.3	23.9
70°	23.2	18.8	16.7	19.6	23.2
72.5°	22.5	18.1	15.2	18.1	22.5
75°	22.5	16.7	13.8	16.7	22.5
77.5°	21.0	15.2	11.6	15.2	21.0
80°	18.8	13.8	9.4	13.8	18.1
82.5°	13.8	11.6	7.2	11.6	13.8
85°	7.2	8.0	4.3	8.0	8.0
87.5°	0.7	2.9	1.4	4.3	3.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)