

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: P1320244

Luminaire Tested: LDSQA3D17R259840DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320244  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R259840DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

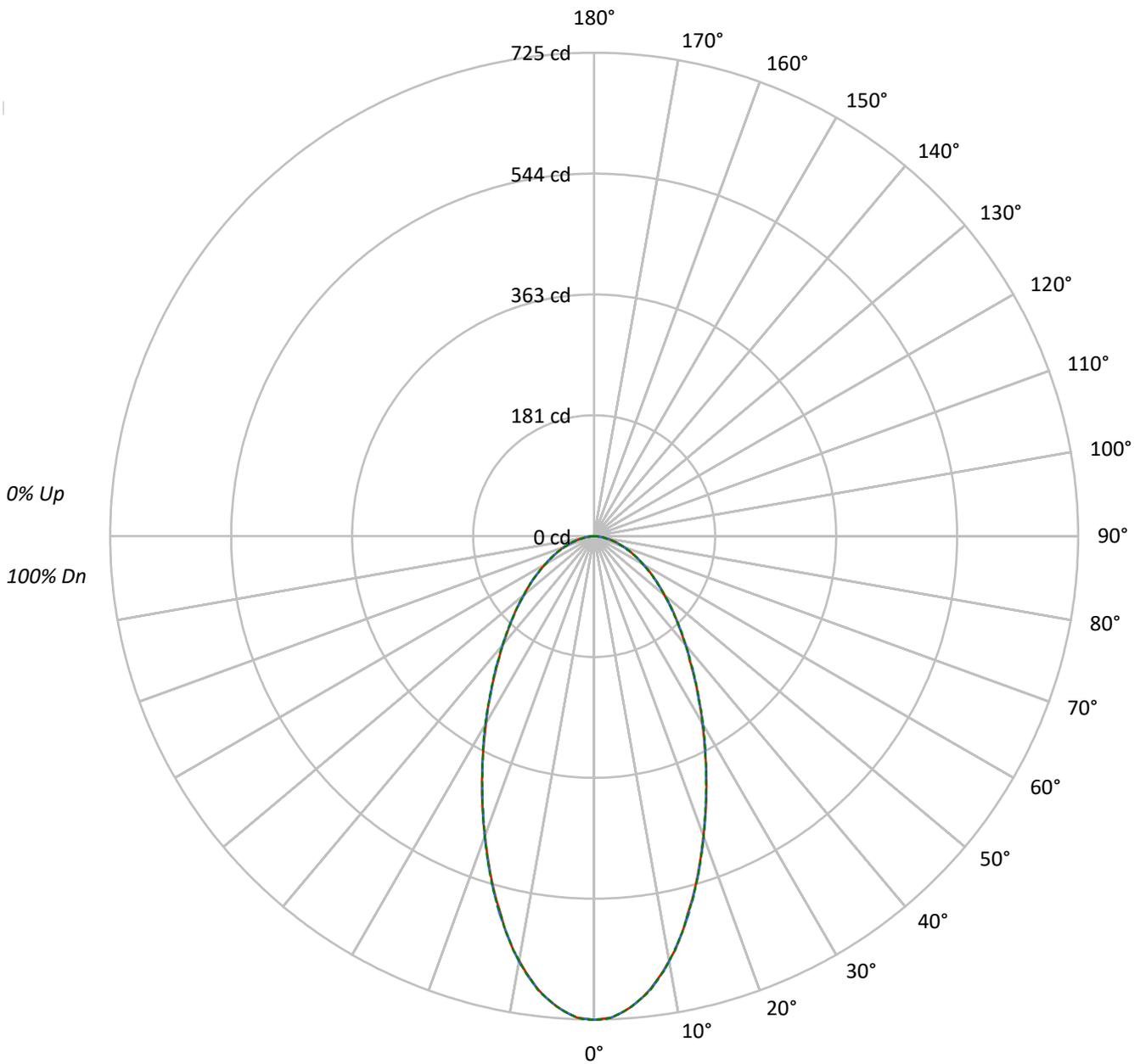
Lumens per Lamp: N/A  
Luminaire Lumens: 908.0 lumens  
Efficiency: N/A  
Efficacy: 44.5 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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				
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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	63	63	63	61
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	56	56	56	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	51	51	51	49
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35

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

	0°	45°	90°
0°	124913	124913	124913
5°	121725	121725	121725
10°	113095	113322	113095
15°	100863	101095	101095
20°	87697	87936	87697
25°	75536	75308	75308
30°	64432	64671	64930
35°	55273	55273	55547
40°	47909	47909	47909
45°	41892	41892	41892
50°	36733	36733	37055
55°	32939	32939	32939
60°	29175	29175	29175
65°	26407	26407	26407
70°	23868	23213	23868
75°	21560	20761	20761
80°	17257	17257	17257
85°	12251	12251	12251

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 41892 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.4	7.2
10°-20°	157.8	17.4
20°-30°	182.4	20.1
30°-40°	165.4	18.2
40°-50°	133.3	14.7
50°-60°	98.2	10.8
60°-70°	64.6	7.1
70°-80°	33.3	3.7
80°-90°	7.5	0.8
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°	405.7	44.7
0°-40°	571.1	62.9
0°-60°	802.5	88.4
0°-90°	908.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	908.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	725	725	725	725	725	
5°	704	707	704	704	704	65
15°	566	567	567	566	567	158
25°	398	396	396	398	396	182
35°	263	263	263	263	264	165
45°	172	172	172	172	172	133
55°	110	110	110	108	110	99
65°	65	65	65	65	65	65
75°	32	31	31	31	31	34
85°	6	6	6	6	6	8
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	725.3	725.3	725.3	725.3	725.3
1°	724.0	726.5	724.0	724.0	725.3
2°	722.8	724.0	722.8	722.8	722.8
3°	717.8	720.3	717.8	717.8	717.8
4°	711.5	714.0	711.5	711.5	711.5
5°	704.1	706.6	704.1	704.1	704.1
6°	695.3	696.6	695.3	695.3	695.3
7°	685.4	686.6	685.4	685.4	686.6
8°	672.9	674.2	674.2	672.9	672.9
9°	660.5	661.7	661.7	660.5	661.7
10°	646.7	648.0	648.0	646.7	646.7
11°	633.0	634.3	631.8	631.8	633.0
12°	616.8	618.1	616.8	616.8	616.8
13°	600.6	600.6	600.6	600.6	600.6
14°	581.9	584.4	584.4	583.2	581.9
15°	565.7	567.0	567.0	565.7	567.0
17.5°	522.1	524.6	523.4	523.4	523.4
20°	478.5	479.8	479.8	478.5	478.5
22.5°	437.4	436.1	436.1	436.1	436.1
25°	397.5	396.3	396.3	397.5	396.3
27.5°	358.9	360.1	360.1	358.9	360.1
30°	324.0	324.0	325.2	324.0	326.5
32.5°	292.8	292.8	291.6	292.8	292.8
35°	262.9	262.9	262.9	262.9	264.2
37.5°	235.5	236.8	238.0	238.0	236.8
40°	213.1	213.1	213.1	213.1	213.1
42.5°	190.7	190.7	191.9	191.9	191.9
45°	172.0	172.0	172.0	172.0	172.0
47.5°	154.5	154.5	153.3	153.3	154.5
50°	137.1	138.3	137.1	137.1	138.3
52.5°	123.4	122.1	122.1	123.4	123.4
55°	109.7	109.7	109.7	108.4	109.7
57.5°	97.2	97.2	96.0	96.0	96.0
60°	84.7	84.7	84.7	84.7	84.7
62.5°	74.8	74.8	74.8	74.8	74.8
65°	64.8	64.8	64.8	64.8	64.8
67.5°	56.1	56.1	56.1	56.1	54.8
70°	47.4	47.4	46.1	46.1	47.4
72.5°	38.6	38.6	38.6	38.6	38.6
75°	32.4	31.2	31.2	31.2	31.2
77.5°	24.9	24.9	23.7	24.9	23.7
80°	17.4	17.4	17.4	17.4	17.4
82.5°	12.5	11.2	11.2	11.2	11.2
85°	6.2	6.2	6.2	6.2	6.2
87.5°	1.2	1.2	1.2	1.2	2.5



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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)