

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: P1317496

Luminaire Tested: LDSQA3D13R359827DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317496  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R359827DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

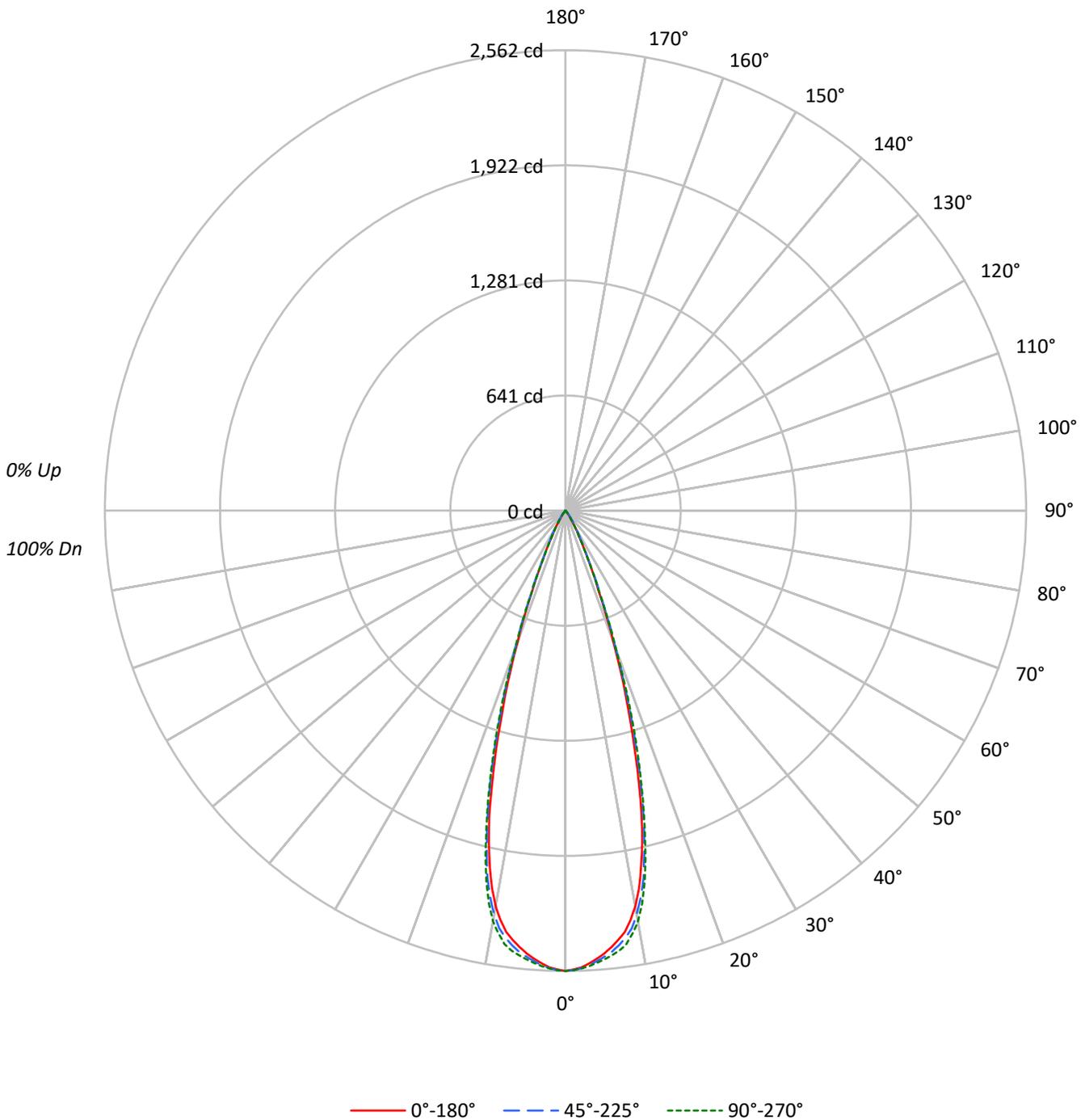
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 853.0 lumens  
Efficiency: N/A  
Efficacy: 58.8 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
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 (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	100	100	100	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	96	96	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	93	93	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	89	89	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	86	86	86
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	83	83	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	80	80	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78	78	78	78
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	75	75	75	75
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	73	73	73	73
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	71	71	71	71

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

	0°	45°	90°
0°	441217	441217	441217
5°	427845	430870	433221
10°	390961	399232	406088
15°	281158	293443	295850
20°	143138	150323	150689
25°	54310	55469	53930
30°	21100	24460	20563
35°	7253	11353	6812
40°	2428	4406	2271
45°	170	1486	170
50°	0	188	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1486 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.9	27.2
10°-20°	432.1	50.7
20°-30°	155.3	18.2
30°-40°	30.3	3.6
40°-50°	3.4	0.4
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	819.3	96.0
0°-40°	849.6	99.6
0°-60°	853.0	100.0
0°-90°	853.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	853.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2562	2562	2562	2562	2562	
5°	2475	2482	2492	2504	2506	229
15°	1577	1603	1646	1657	1659	419
25°	286	288	292	290	284	150
35°	34	39	54	40	32	26
45°	1	2	6	2	1	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	2561.9	2561.9	2561.9	2561.9	2561.9
1°	2554.5	2557.9	2558.5	2563.3	2557.9
2°	2543.7	2545.7	2548.4	2552.5	2549.8
3°	2522.7	2526.8	2532.9	2538.3	2538.3
4°	2500.4	2505.9	2513.3	2522.7	2522.1
5°	2474.8	2481.5	2492.3	2503.8	2505.9
6°	2442.3	2450.4	2468.0	2484.2	2486.9
7°	2407.9	2420.0	2436.9	2460.6	2466.7
8°	2367.3	2376.8	2401.1	2428.8	2435.6
9°	2307.9	2322.1	2353.2	2378.8	2382.9
10°	2235.6	2245.7	2282.9	2309.9	2322.1
11°	2142.4	2157.2	2193.7	2221.4	2229.5
12°	2023.5	2045.1	2087.6	2107.9	2114.7
13°	1895.1	1913.3	1946.4	1971.4	1976.8
14°	1750.5	1768.1	1802.5	1822.8	1818.1
15°	1576.9	1603.2	1645.8	1657.3	1659.3
17.5°	1164.8	1181.6	1219.5	1237.7	1250.6
20°	781.0	797.2	820.2	832.4	822.2
22.5°	475.0	488.5	500.6	500.0	496.6
25°	285.8	288.5	291.9	289.8	283.8
27.5°	166.9	174.3	184.4	177.7	167.6
30°	106.1	112.2	123.0	111.5	103.4
32.5°	56.1	70.9	82.4	66.9	58.8
35°	34.5	39.2	54.0	39.9	32.4
37.5°	20.9	24.3	33.8	23.6	18.9
40°	10.8	15.5	19.6	14.2	10.1
42.5°	3.4	7.4	10.8	6.8	3.4
45°	0.7	2.0	6.1	2.0	0.7
47.5°	0.0	0.0	2.7	0.7	0.0
50°	0.0	0.0	0.7	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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)