

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: P1317497

Luminaire Tested: LDSQA3D13R359827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317497  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R359827DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

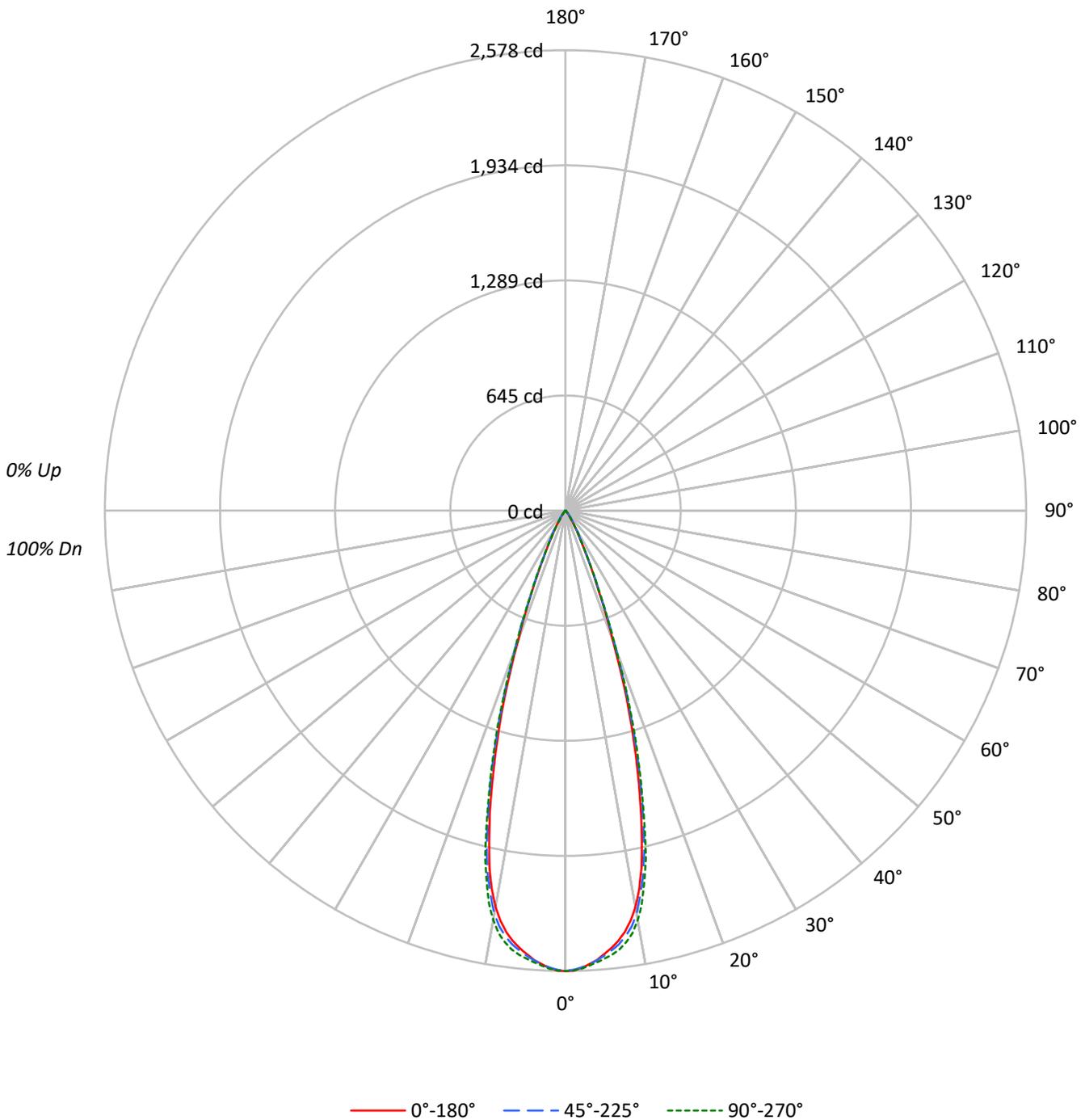
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 866.0 lumens  
Efficiency: N/A  
Efficacy: 59.7 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	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	71	70

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

	0°	45°	90°
0°	444007	444007	444007
5°	430870	432391	435296
10°	394126	400981	407137
15°	282905	293265	296278
20°	142313	150597	150982
25°	53930	55602	55868
30°	21915	25137	21497
35°	7947	12068	7674
40°	3350	5171	3192
45°	828	2143	828
50°	536	911	536
55°	601	601	601
60°	689	689	689
65°	571	571	571
70°	352	352	352
75°	466	466	466
80°	694	694	694
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2143 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.1	26.9
10°-20°	434.2	50.1
20°-30°	156.2	18.0
30°-40°	32.8	3.8
40°-50°	5.6	0.7
50°-60°	1.8	0.2
60°-70°	1.4	0.2
70°-80°	0.7	0.1
80°-90°	0.1	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°	823.5	95.1
0°-40°	856.3	98.9
0°-60°	863.8	99.7
0°-90°	866.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	866.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2578	2578	2578	2578	2578	
5°	2492	2497	2501	2518	2518	231
15°	1587	1614	1645	1662	1662	422
25°	284	288	293	295	294	151
35°	38	45	57	44	36	29
45°	3	5	9	5	3	4
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	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°	2578.1	2578.1	2578.1	2578.1	2578.1
1°	2576.7	2576.7	2571.3	2577.4	2575.4
2°	2562.6	2563.9	2560.5	2568.0	2567.3
3°	2543.0	2546.3	2543.6	2554.4	2551.1
4°	2522.0	2524.7	2523.4	2536.9	2535.5
5°	2492.3	2497.0	2501.1	2517.9	2517.9
6°	2461.9	2466.6	2475.4	2493.6	2499.7
7°	2426.7	2432.8	2447.0	2471.3	2475.4
8°	2382.1	2388.9	2408.5	2434.8	2440.2
9°	2326.7	2336.8	2359.1	2390.9	2394.3
10°	2253.7	2261.8	2292.9	2319.3	2328.1
11°	2159.1	2165.9	2193.6	2236.1	2241.6
12°	2044.2	2052.3	2088.2	2115.9	2121.3
13°	1898.9	1914.5	1957.7	1984.8	1999.6
14°	1749.6	1770.5	1801.6	1840.1	1830.7
15°	1586.7	1614.4	1644.8	1662.4	1661.7
17.5°	1187.3	1203.6	1230.6	1240.7	1254.2
20°	776.5	797.4	821.7	831.2	823.8
22.5°	481.8	487.2	494.7	498.7	497.4
25°	283.8	287.9	292.6	295.3	294.0
27.5°	171.0	180.4	187.2	179.1	174.4
30°	110.2	114.2	126.4	115.6	108.1
32.5°	65.6	75.0	85.1	72.3	62.8
35°	37.8	44.6	57.4	43.9	36.5
37.5°	24.3	27.7	37.2	27.0	23.7
40°	14.9	18.9	23.0	17.6	14.2
42.5°	7.4	11.5	13.5	10.1	7.4
45°	3.4	5.4	8.8	5.4	3.4
47.5°	2.0	2.7	5.4	2.7	2.0
50°	2.0	2.0	3.4	2.0	2.0
52.5°	2.0	2.0	2.0	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0	2.0
60°	2.0	2.0	2.0	2.0	2.0
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	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)