

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: P1323937

Luminaire Tested: LDSQA3D13R409030D2WDE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R409030D2WDE010 3LSQCDR1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

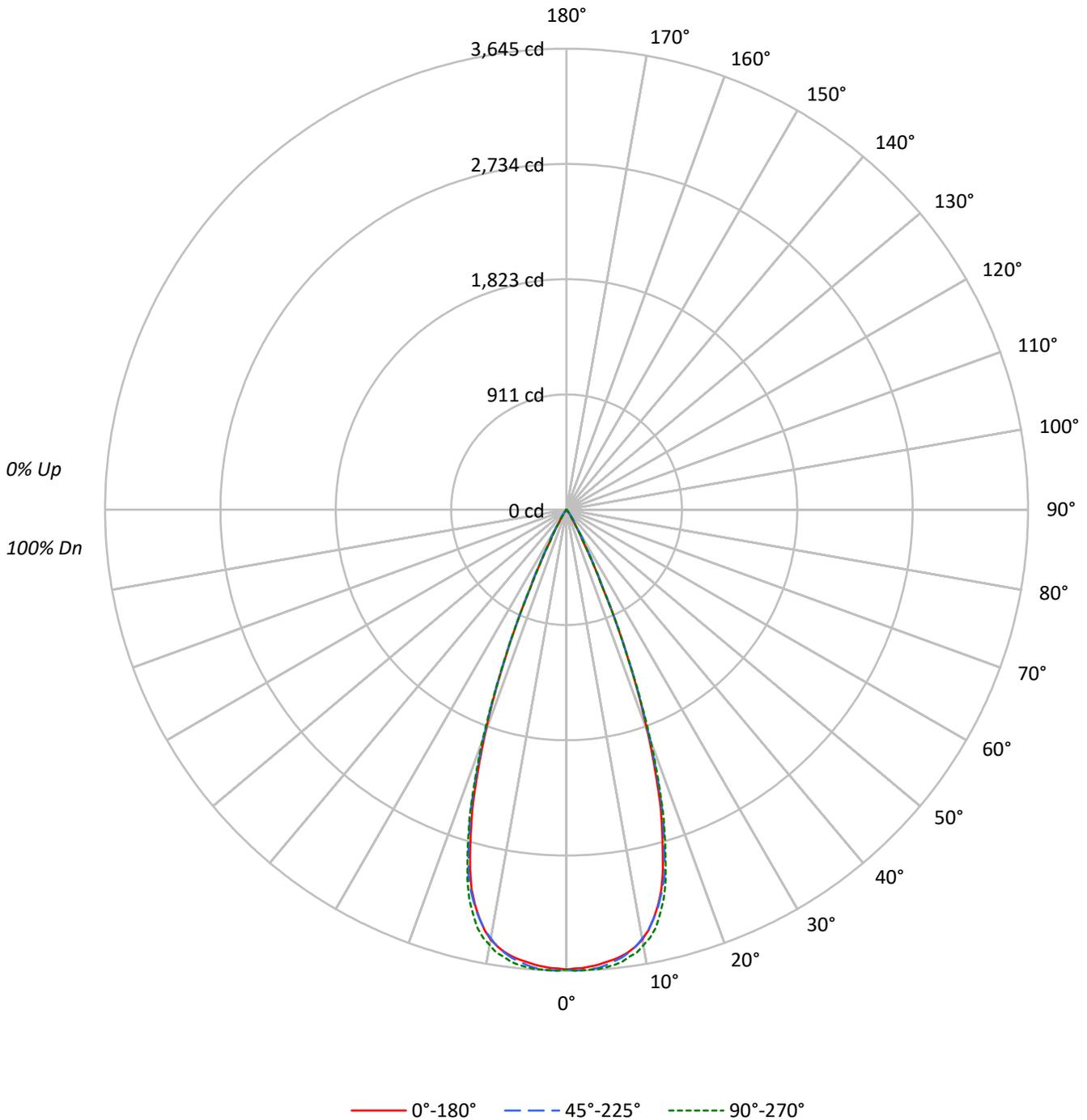
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1529.0 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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





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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	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	626202	626202	626202
5°	620779	624686	627660
10°	603107	601970	611379
15°	524660	533111	539637
20°	344338	351046	355591
25°	122757	129921	122149
30°	26767	36194	26986
35°	8599	14948	8368
40°	2653	4609	2428
45°	268	1583	268
50°	0	295	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: 1583 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.0	22.2
10°-20°	791.9	51.8
20°-30°	355.2	23.2
30°-40°	38.4	2.5
40°-50°	3.6	0.2
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°	1487.1	97.3
0°-40°	1525.4	99.8
0°-60°	1529.0	100.0
0°-90°	1529.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1529.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3636	3636	3636	3636	3636	
5°	3591	3600	3613	3619	3631	339
15°	2943	2964	2990	3007	3027	782
25°	646	665	684	696	643	345
35°	41	47	71	46	40	32
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°	3636.0	3636.0	3636.0	3636.0	3636.0
1°	3628.5	3636.0	3642.5	3637.1	3644.6
2°	3625.2	3633.9	3643.5	3638.2	3644.6
3°	3616.6	3627.4	3638.2	3634.9	3641.4
4°	3604.8	3613.4	3629.5	3629.5	3639.2
5°	3590.8	3600.5	3613.4	3618.8	3630.6
6°	3575.7	3581.1	3590.8	3601.5	3617.7
7°	3556.3	3556.3	3568.2	3578.9	3600.5
8°	3529.4	3527.3	3535.9	3549.9	3569.2
9°	3496.0	3488.5	3495.0	3515.4	3544.5
10°	3448.7	3442.2	3442.2	3468.0	3496.0
11°	3387.3	3385.1	3386.2	3411.0	3448.7
12°	3304.4	3306.5	3306.5	3334.5	3380.8
13°	3210.7	3209.6	3219.3	3250.5	3281.8
14°	3096.6	3103.0	3112.7	3140.7	3173.0
15°	2942.6	2964.1	2990.0	3007.2	3026.6
17.5°	2474.2	2495.8	2531.3	2545.3	2549.6
20°	1878.8	1910.1	1915.4	1943.4	1940.2
22.5°	1259.7	1257.6	1261.9	1265.1	1266.2
25°	646.0	665.4	683.7	695.5	642.8
27.5°	281.0	314.4	338.1	306.9	284.2
30°	134.6	152.9	182.0	154.0	135.7
32.5°	73.2	85.1	115.2	84.0	72.1
35°	40.9	47.4	71.1	46.3	39.8
37.5°	23.7	25.8	38.8	25.8	22.6
40°	11.8	15.1	20.5	15.1	10.8
42.5°	4.3	7.5	10.8	7.5	4.3
45°	1.1	2.2	6.5	2.2	1.1
47.5°	0.0	0.0	3.2	0.0	0.0
50°	0.0	0.0	1.1	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)