

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: P1307347

Luminaire Tested: LDSQA3D17R409024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307347
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R409024DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

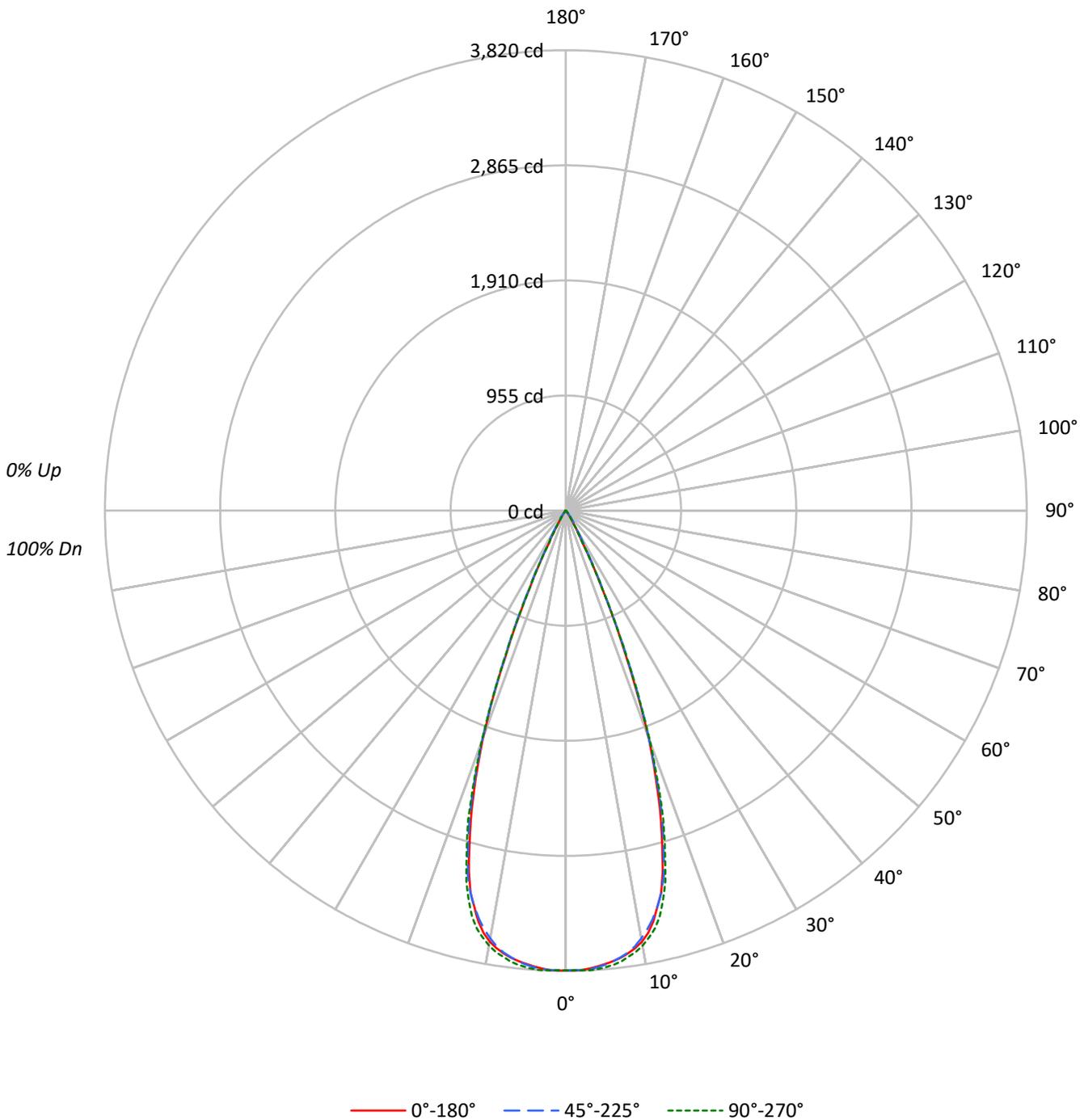
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1615.0 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
Input Current (A_{in}): 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	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	657184	657184	657184
5°	652831	653799	657344
10°	635145	630388	640916
15°	553401	559071	567790
20°	368622	370491	374029
25°	134026	138111	134672
30°	28458	38162	28458
35°	10029	16946	9545
40°	3575	5351	3575
45°	828	2216	828
50°	616	911	616
55°	691	691	691
60°	792	792	792
65°	448	937	448
70°	554	554	554
75°	732	732	732
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2216 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.6	22.1
10°-20°	830.9	51.5
20°-30°	374.0	23.2
30°-40°	42.6	2.6
40°-50°	6.1	0.4
50°-60°	2.1	0.1
60°-70°	1.8	0.1
70°-80°	1.0	0.1
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°	1561.5	96.7
0°-40°	1604.0	99.3
0°-60°	1612.2	99.8
0°-90°	1615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1615.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3816	3816	3816	3816	3816	
5°	3776	3772	3782	3799	3802	356
15°	3104	3112	3136	3161	3184	824
25°	705	710	727	727	709	365
35°	48	53	81	51	45	36
45°	3	6	9	6	3	4
55°	2	2	2	2	2	2
65°	1	2	2	2	1	2
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°	3815.9	3815.9	3815.9	3815.9	3815.9
1°	3818.2	3814.8	3813.6	3820.5	3814.8
2°	3814.8	3812.5	3813.6	3820.5	3815.9
3°	3804.6	3805.7	3809.1	3821.6	3820.5
4°	3792.1	3790.9	3797.7	3813.6	3813.6
5°	3776.2	3771.6	3781.8	3798.9	3802.3
6°	3758.0	3752.3	3760.3	3781.8	3789.8
7°	3737.5	3726.2	3733.0	3759.1	3769.3
8°	3710.3	3695.5	3703.5	3729.6	3737.5
9°	3676.2	3653.5	3660.3	3692.1	3708.0
10°	3631.9	3603.5	3604.7	3639.9	3664.9
11°	3569.5	3537.7	3538.8	3583.1	3609.2
12°	3486.6	3458.2	3463.8	3504.7	3546.8
13°	3374.1	3366.2	3373.0	3417.3	3455.9
14°	3265.1	3257.2	3269.6	3310.5	3328.7
15°	3103.8	3111.8	3135.6	3160.6	3184.5
17.5°	2592.8	2623.4	2651.8	2668.9	2689.3
20°	2011.3	1976.1	2021.5	2001.1	2040.8
22.5°	1298.1	1324.2	1335.6	1324.2	1328.8
25°	705.3	709.8	726.8	726.8	708.7
27.5°	299.8	323.7	345.2	337.3	299.8
30°	143.1	164.7	191.9	165.8	143.1
32.5°	80.6	95.4	123.8	93.1	78.4
35°	47.7	53.4	80.6	51.1	45.4
37.5°	28.4	29.5	44.3	30.7	27.3
40°	15.9	19.3	23.8	19.3	15.9
42.5°	7.9	11.4	14.8	11.4	7.9
45°	3.4	5.7	9.1	5.7	3.4
47.5°	3.4	3.4	5.7	3.4	3.4
50°	2.3	2.3	3.4	2.3	2.3
52.5°	2.3	2.3	2.3	2.3	2.3
55°	2.3	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	2.3	2.3	2.3
60°	2.3	2.3	2.3	2.3	2.3
62.5°	2.3	2.3	2.3	2.3	2.3
65°	1.1	2.3	2.3	2.3	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
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)