

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: P1320287

Luminaire Tested: LDSQA3D17R409840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320287
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: LDSQA3D17R409840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

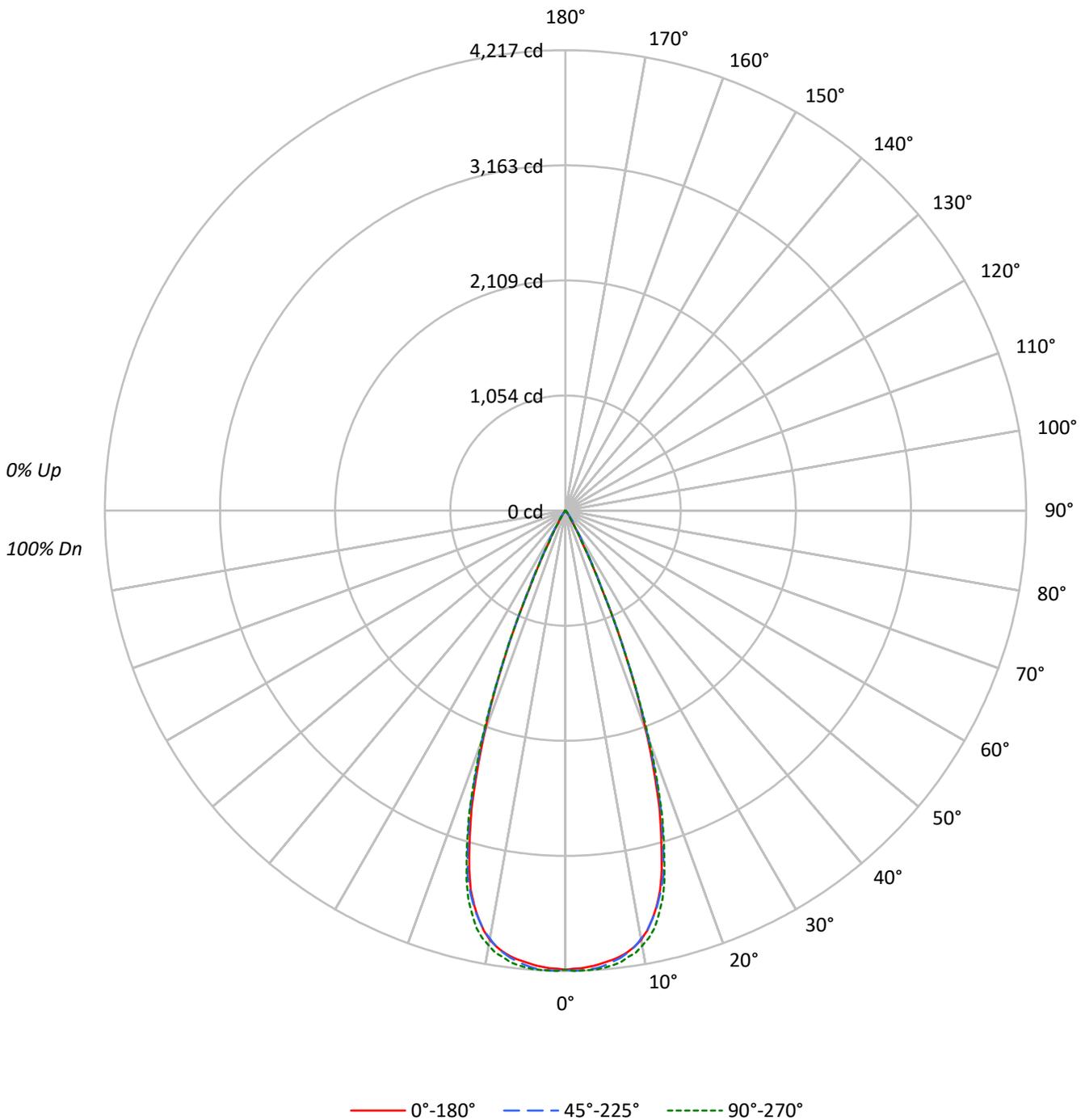
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1769.0 lumens
Efficiency: N/A
Efficacy: 86.7 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): 20.4
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	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	102	100	102	100	98	99	97	96	97	95	94	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	724489	724489	724489
5°	718215	722744	726185
10°	697769	696457	707352
15°	607016	616786	624346
20°	398386	406157	411417
25°	142026	150311	141323
30°	30963	41861	31222
35°	9945	17282	9692
40°	3080	5328	2810
45°	292	1827	292
50°	0	322	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: 1827 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.4	22.2
10°-20°	916.2	51.8
20°-30°	410.9	23.2
30°-40°	44.4	2.5
40°-50°	4.1	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°	1720.5	97.3
0°-40°	1764.8	99.8
0°-60°	1769.0	100.0
0°-90°	1769.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1769.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4207	4207	4207	4207	4207	
5°	4154	4166	4181	4187	4200	392
15°	3404	3429	3459	3479	3502	905
25°	747	770	791	805	744	399
35°	47	55	82	54	46	37
45°	1	2	8	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°	4206.7	4206.7	4206.7	4206.7	4206.7
1°	4198.0	4206.7	4214.2	4208.0	4216.7
2°	4194.3	4204.2	4215.4	4209.2	4216.7
3°	4184.3	4196.8	4209.2	4205.5	4213.0
4°	4170.6	4180.6	4199.3	4199.3	4210.5
5°	4154.4	4165.6	4180.6	4186.8	4200.5
6°	4137.0	4143.2	4154.4	4166.9	4185.6
7°	4114.5	4114.5	4128.3	4140.7	4165.6
8°	4083.4	4080.9	4090.9	4107.1	4129.5
9°	4044.8	4036.1	4043.5	4067.2	4100.8
10°	3990.0	3982.5	3982.5	4012.4	4044.8
11°	3919.0	3916.5	3917.7	3946.4	3990.0
12°	3823.1	3825.5	3825.5	3857.9	3911.5
13°	3714.7	3713.4	3724.6	3760.8	3796.9
14°	3582.6	3590.1	3601.3	3633.7	3671.1
15°	3404.5	3429.4	3459.3	3479.2	3501.7
17.5°	2862.6	2887.5	2928.6	2944.8	2949.8
20°	2173.7	2209.9	2216.1	2248.5	2244.8
22.5°	1457.5	1455.0	1460.0	1463.7	1464.9
25°	747.4	769.8	791.0	804.7	743.7
27.5°	325.1	363.7	391.1	355.0	328.9
30°	155.7	176.9	210.5	178.1	157.0
32.5°	84.7	98.4	133.3	97.2	83.5
35°	47.3	54.8	82.2	53.6	46.1
37.5°	27.4	29.9	44.8	29.9	26.2
40°	13.7	17.4	23.7	17.4	12.5
42.5°	5.0	8.7	12.5	8.7	5.0
45°	1.2	2.5	7.5	2.5	1.2
47.5°	0.0	0.0	3.7	0.0	0.0
50°	0.0	0.0	1.2	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)