

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: P1307411

Luminaire Tested: LDSQA3D20R159024D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R159024D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

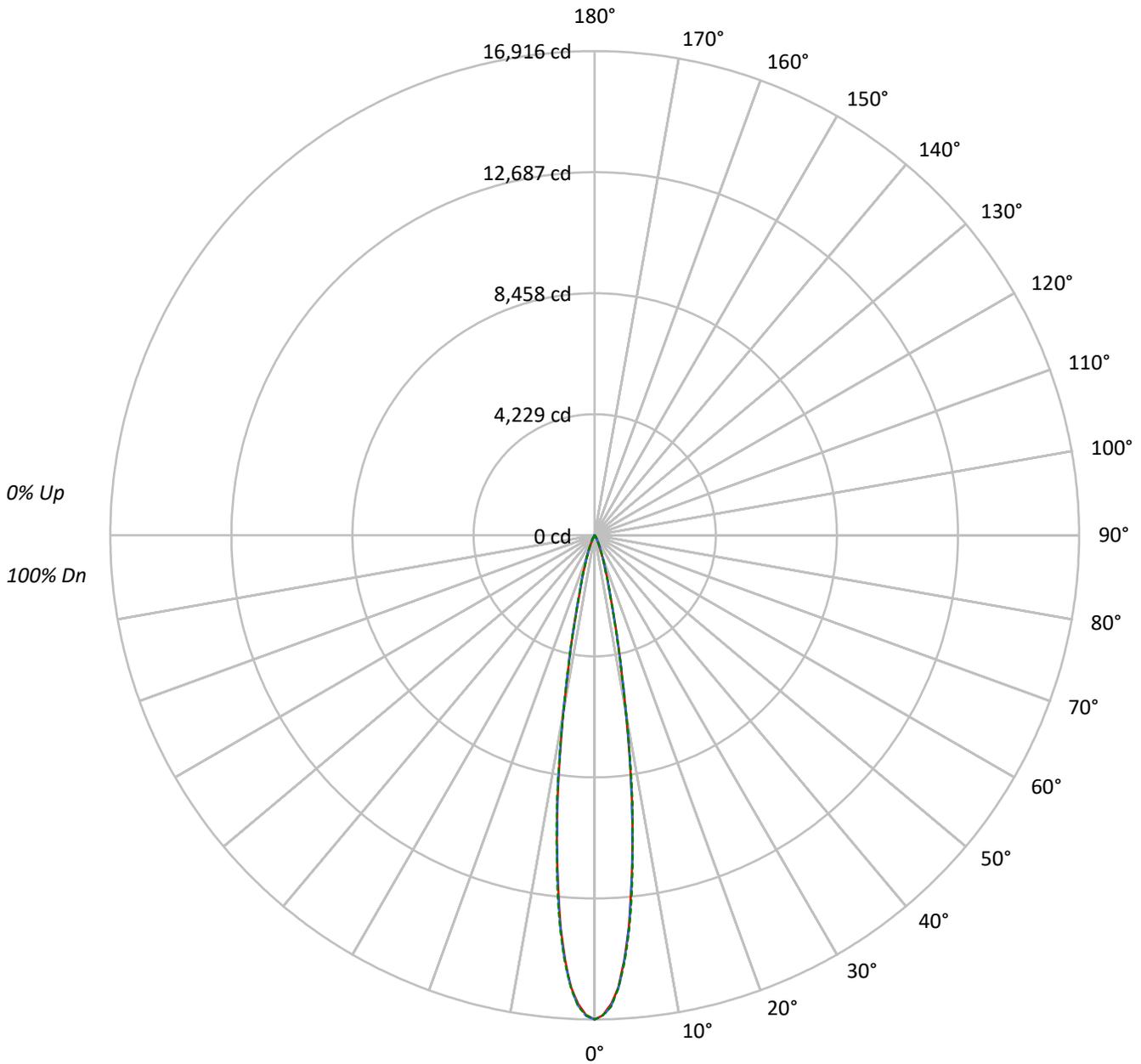
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1899.0 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	99	99	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	91	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	86	90	88	86	90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2913284	2913284	2913284
5°	2368912	2377159	2385422
10°	1103245	1104276	1098278
15°	341352	353583	346932
20°	136082	143743	134451
25°	56951	67155	54120
30°	23128	30844	21358
35°	7527	14107	6896
40°	2675	5688	2675
45°	1096	1827	1096
50°	804	1206	804
55°	901	901	901
60°	1033	1033	1033
65°	611	611	611
70°	755	755	755
75°	998	998	998
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°	1058.8	55.8
10°-20°	633.1	33.3
20°-30°	161.1	8.5
30°-40°	35.0	1.8
40°-50°	5.6	0.3
50°-60°	2.7	0.1
60°-70°	1.7	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°	1853.0	97.6
0°-40°	1888.0	99.4
0°-60°	1896.4	99.9
0°-90°	1899.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1899.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16916	16916	16916	16916	16916	
5°	13703	13722	13750	13688	13798	1057
15°	1914	1968	1983	1955	1946	630
25°	300	321	353	313	285	152
35°	36	46	67	45	33	28
45°	4	6	8	6	4	4
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	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°	16915.8	16915.8	16915.8	16915.8	16915.8
1°	16768.2	16796.5	16801.0	16796.5	16772.7
2°	16391.0	16474.5	16456.6	16420.8	16471.5
3°	15808.0	15849.7	15843.8	15846.7	15834.8
4°	14859.7	14932.7	14891.0	14922.3	14925.3
5°	13702.6	13722.0	13750.3	13687.7	13798.1
6°	12278.7	12402.4	12293.6	12401.0	12444.2
7°	10830.9	10902.5	10763.8	10838.4	10883.1
8°	9350.3	9225.0	9301.1	9302.6	9450.2
9°	7751.9	7777.3	7841.4	7768.3	7832.4
10°	6308.6	6366.7	6314.5	6289.2	6280.2
11°	4981.6	5047.2	5042.7	5050.1	5000.9
12°	4007.9	3973.6	3996.0	3922.9	3955.7
13°	3119.3	3120.7	3102.8	3073.0	3046.2
14°	2443.8	2428.9	2470.6	2433.4	2399.1
15°	1914.5	1968.2	1983.1	1954.8	1945.8
17.5°	1180.9	1182.4	1203.3	1176.4	1173.4
20°	742.5	760.4	784.3	756.0	733.6
22.5°	469.7	486.1	523.4	487.6	456.3
25°	299.7	320.6	353.4	313.1	284.8
27.5°	187.9	207.3	238.6	201.3	180.4
30°	116.3	129.7	155.1	126.7	107.4
32.5°	67.1	80.5	101.4	76.0	64.1
35°	35.8	46.2	67.1	44.7	32.8
37.5°	20.9	26.8	43.2	23.9	19.4
40°	11.9	16.4	25.3	14.9	11.9
42.5°	7.5	10.4	11.9	8.9	6.0
45°	4.5	6.0	7.5	6.0	4.5
47.5°	3.0	4.5	6.0	3.0	3.0
50°	3.0	3.0	4.5	3.0	3.0
52.5°	3.0	3.0	3.0	3.0	3.0
55°	3.0	3.0	3.0	3.0	3.0
57.5°	3.0	3.0	3.0	3.0	3.0
60°	3.0	3.0	3.0	3.0	3.0
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
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)