

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: P1309592

Luminaire Tested: LDSQA3D20R459030D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R459030D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

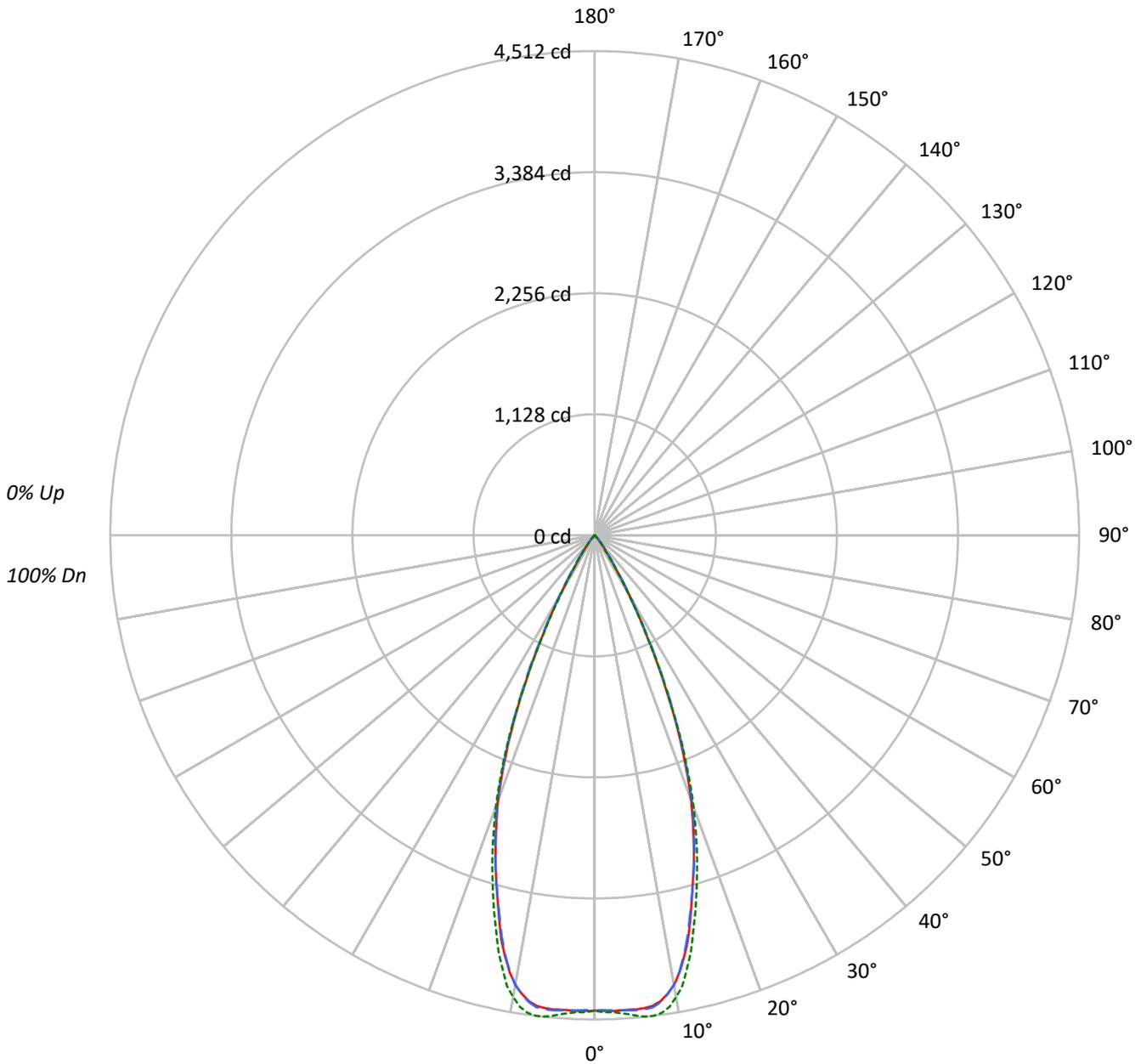
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2293.1 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	763015	763015	763015
5°	766811	768264	777029
10°	744042	743448	764136
15°	623562	623258	646170
20°	482051	487000	493818
25°	295510	301610	296157
30°	126737	132444	122700
35°	39799	47978	38727
40°	13692	17491	13309
45°	2460	7404	2070
50°	1366	2706	1366
55°	1531	1531	1531
60°	1171	1171	1171
65°	1386	1386	1386
70°	856	856	856
75°	1131	1131	1131
80°	1686	1686	1686
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 7404 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.1	18.4
10°-20°	973.0	42.4
20°-30°	712.4	31.1
30°-40°	157.4	6.9
40°-50°	19.3	0.8
50°-60°	4.6	0.2
60°-70°	3.3	0.1
70°-80°	1.9	0.1
80°-90°	0.2	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°	2106.5	91.9
0°-40°	2263.8	98.7
0°-60°	2287.7	99.8
0°-90°	2293.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2293.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4430	4430	4430	4430	4430	
5°	4436	4432	4444	4476	4495	419
15°	3497	3479	3496	3580	3624	965
25°	1555	1553	1587	1575	1558	704
35°	189	200	228	200	184	149
45°	10	17	30	17	8	14
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
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°	4430.4	4430.4	4430.4	4430.4	4430.4
1°	4433.8	4427.0	4425.3	4437.2	4445.6
2°	4437.2	4428.7	4430.4	4442.2	4447.3
3°	4433.8	4425.3	4433.8	4450.7	4457.4
4°	4432.1	4428.7	4437.2	4460.8	4472.6
5°	4435.5	4432.1	4443.9	4476.0	4494.6
6°	4430.4	4425.3	4442.2	4482.8	4509.8
7°	4418.6	4413.5	4432.1	4481.1	4511.5
8°	4386.4	4376.3	4394.9	4455.7	4492.9
9°	4329.0	4315.4	4334.0	4405.0	4449.0
10°	4254.6	4239.4	4251.2	4320.5	4369.5
11°	4148.1	4127.8	4141.3	4215.7	4279.9
12°	4012.9	3984.1	4001.0	4085.6	4131.2
13°	3865.8	3838.8	3842.1	3918.2	3982.4
14°	3683.3	3647.8	3663.0	3742.4	3793.1
15°	3497.3	3478.7	3495.6	3580.1	3624.1
17.5°	3071.4	3069.7	3084.9	3147.4	3171.1
20°	2630.2	2635.2	2657.2	2691.0	2694.4
22.5°	2107.9	2109.5	2133.2	2156.9	2151.8
25°	1555.1	1553.4	1587.2	1575.4	1558.5
27.5°	1031.1	1037.9	1068.3	1046.3	1029.4
30°	637.3	650.8	666.0	638.9	617.0
32.5°	344.8	366.8	388.8	365.1	343.1
35°	189.3	199.5	228.2	199.5	184.2
37.5°	109.9	114.9	133.5	114.9	104.8
40°	60.9	69.3	77.8	69.3	59.2
42.5°	25.4	38.9	47.3	38.9	25.4
45°	10.1	16.9	30.4	16.9	8.5
47.5°	5.1	6.8	18.6	6.8	5.1
50°	5.1	5.1	10.1	5.1	5.1
52.5°	5.1	5.1	5.1	5.1	5.1
55°	5.1	5.1	5.1	5.1	5.1
57.5°	5.1	5.1	5.1	5.1	5.1
60°	3.4	3.4	3.4	5.1	3.4
62.5°	3.4	3.4	3.4	3.4	3.4
65°	3.4	3.4	3.4	3.4	3.4
67.5°	3.4	3.4	3.4	3.4	3.4
70°	1.7	1.7	1.7	3.4	1.7
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7
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)