

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: P1311828

Luminaire Tested: LDSQA3D20R459040D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311828
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: LDSQA3D20R459040D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

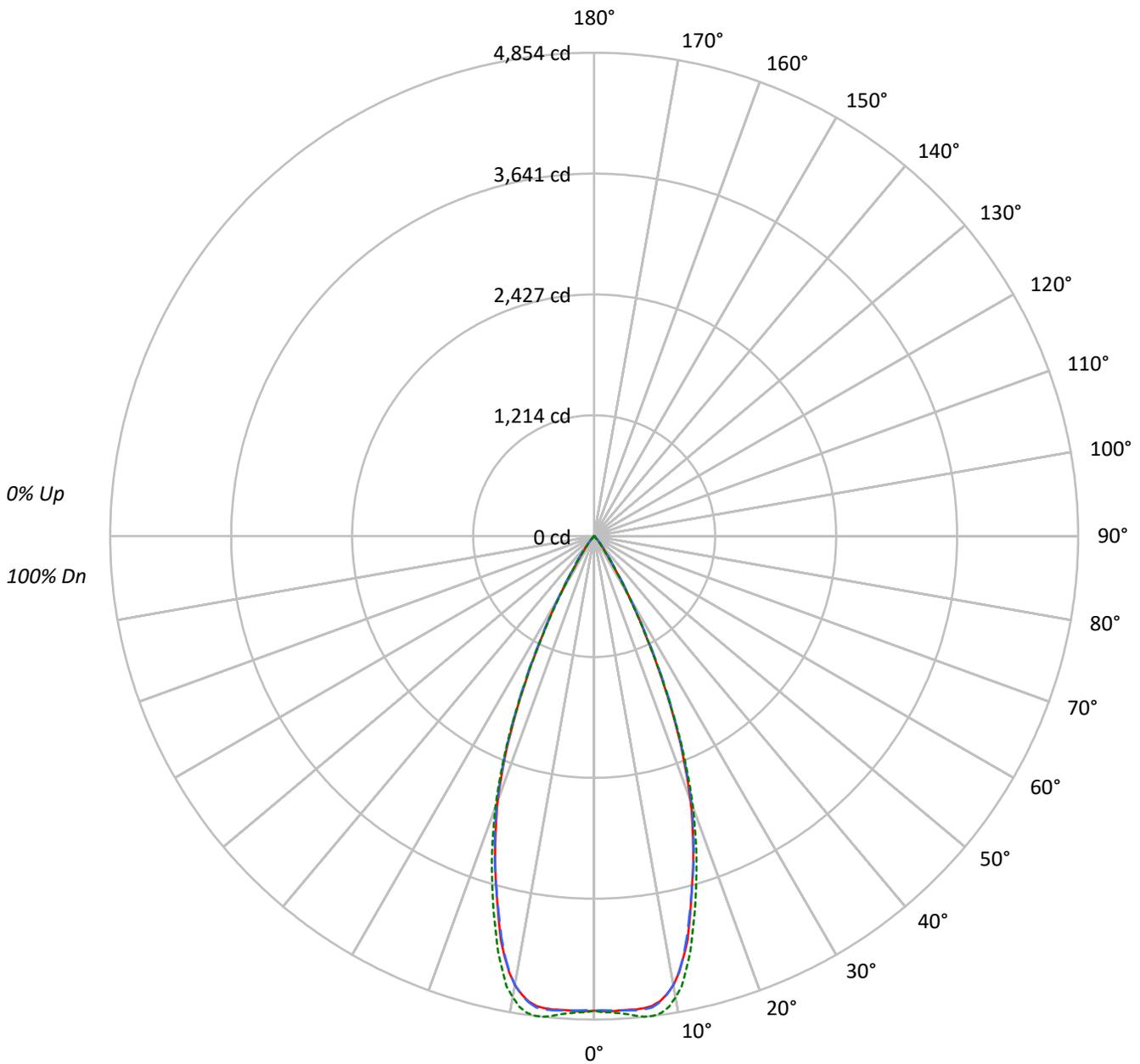
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2467.0 lumens
Efficiency: N/A
Efficacy: 85.7 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	820916	820916	820916
5°	824986	826559	835998
10°	800493	799864	822126
15°	670882	670561	695202
20°	518633	523966	531297
25°	317934	324509	318637
30°	136342	142487	132007
35°	42827	51615	41671
40°	14726	18817	14321
45°	2655	7964	2216
50°	1474	2920	1474
55°	1651	1651	1651
60°	1240	1240	1240
65°	1467	1467	1467
70°	906	906	906
75°	1198	1198	1198
80°	1785	1785	1785
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 7964 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.0	18.4
10°-20°	1046.8	42.4
20°-30°	766.5	31.1
30°-40°	169.3	6.9
40°-50°	20.8	0.8
50°-60°	4.9	0.2
60°-70°	3.5	0.1
70°-80°	2.0	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°	2266.3	91.9
0°-40°	2435.6	98.7
0°-60°	2461.3	99.8
0°-90°	2467.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2467.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4767	4767	4767	4767	4767	
5°	4772	4768	4781	4816	4836	451
15°	3763	3743	3761	3852	3899	1038
25°	1673	1671	1708	1695	1677	758
35°	204	215	246	215	198	161
45°	11	18	33	18	9	15
55°	6	6	6	6	6	5
65°	4	4	4	4	4	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°	4766.6	4766.6	4766.6	4766.6	4766.6
1°	4770.2	4762.9	4761.1	4773.9	4782.9
2°	4773.9	4764.8	4766.6	4779.3	4784.8
3°	4770.2	4761.1	4770.2	4788.4	4795.7
4°	4768.4	4764.8	4773.9	4799.3	4812.0
5°	4772.0	4768.4	4781.1	4815.7	4835.7
6°	4766.6	4761.1	4779.3	4823.0	4852.1
7°	4753.9	4748.4	4768.4	4821.1	4853.9
8°	4719.3	4708.4	4728.4	4793.9	4833.9
9°	4657.5	4642.9	4662.9	4739.3	4786.6
10°	4577.4	4561.1	4573.8	4648.4	4701.1
11°	4462.9	4441.0	4455.6	4535.6	4604.7
12°	4317.4	4286.5	4304.7	4395.6	4444.7
13°	4159.2	4130.1	4133.7	4215.5	4284.6
14°	3962.8	3924.6	3940.9	4026.4	4081.0
15°	3762.7	3742.7	3760.9	3851.8	3899.1
17.5°	3304.4	3302.6	3319.0	3386.3	3411.7
20°	2829.8	2835.2	2858.9	2895.2	2898.9
22.5°	2267.8	2269.6	2295.1	2320.5	2315.1
25°	1673.1	1671.3	1707.7	1694.9	1676.8
27.5°	1109.4	1116.6	1149.4	1125.7	1107.5
30°	685.6	700.2	716.5	687.4	663.8
32.5°	371.0	394.6	418.3	392.8	369.2
35°	203.7	214.6	245.5	214.6	198.2
37.5°	118.2	123.7	143.7	123.7	112.8
40°	65.5	74.6	83.7	74.6	63.7
42.5°	27.3	41.8	50.9	41.8	27.3
45°	10.9	18.2	32.7	18.2	9.1
47.5°	5.5	7.3	20.0	7.3	5.5
50°	5.5	5.5	10.9	5.5	5.5
52.5°	5.5	5.5	5.5	5.5	5.5
55°	5.5	5.5	5.5	5.5	5.5
57.5°	5.5	5.5	5.5	5.5	5.5
60°	3.6	3.6	3.6	5.5	3.6
62.5°	3.6	3.6	3.6	3.6	3.6
65°	3.6	3.6	3.6	3.6	3.6
67.5°	3.6	3.6	3.6	3.6	3.6
70°	1.8	1.8	1.8	3.6	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8
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)