

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: P1318116

Luminaire Tested: LDSQA3D05R509830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318116
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R509830DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

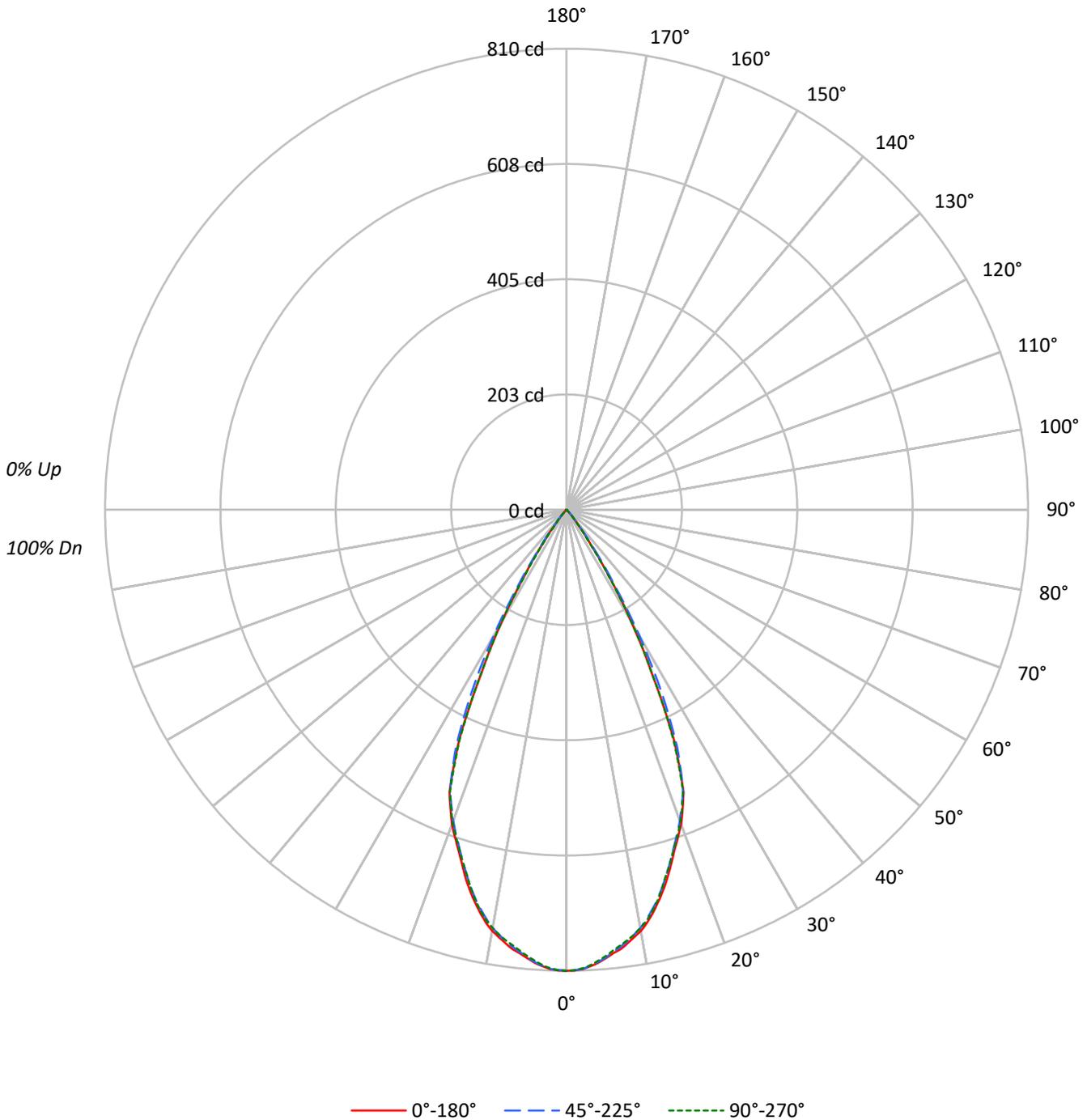
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 522.0 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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				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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	139500	139500	139500
5°	136766	136506	136126
10°	131422	130513	130565
15°	120636	119513	119388
20°	107766	106611	107161
25°	84714	87165	84011
30°	45321	50770	45461
35°	14801	17303	13939
40°	3665	4586	3507
45°	463	1632	463
50°	295	509	295
55°	330	330	330
60°	241	241	241
65°	285	285	285
70°	201	201	201
75°	266	266	266
80°	397	397	397
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1632 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	14.2
10°-20°	187.3	35.9
20°-30°	197.0	37.7
30°-40°	56.8	10.9
40°-50°	4.6	0.9
50°-60°	1.0	0.2
60°-70°	0.7	0.1
70°-80°	0.4	0.1
80°-90°	0.1	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°	458.4	87.8
0°-40°	515.2	98.7
0°-60°	520.8	99.8
0°-90°	522.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	522.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	810	810	810	810	810	
5°	791	791	790	790	787	74
15°	677	672	670	670	670	188
25°	446	457	459	454	442	193
35°	70	73	82	70	66	54
45°	2	4	7	4	2	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
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°	810.0	810.0	810.0	810.0	810.0
1°	809.6	810.4	808.9	811.5	809.3
2°	807.8	808.1	807.4	809.3	806.3
3°	803.3	804.1	802.6	804.1	801.5
4°	798.1	798.1	796.7	797.8	794.4
5°	791.1	790.7	789.6	790.4	787.4
6°	783.7	783.3	781.5	781.5	779.2
7°	778.1	775.5	774.1	773.7	771.5
8°	769.2	768.5	765.5	765.5	764.1
9°	760.3	759.6	756.3	757.0	755.9
10°	751.5	748.9	746.3	746.6	746.6
11°	739.6	737.4	733.7	735.2	735.9
12°	725.5	722.9	719.6	722.6	722.2
13°	710.0	707.7	705.1	707.4	706.6
14°	693.7	690.3	688.1	689.6	688.8
15°	676.6	672.2	670.3	670.3	669.6
17.5°	628.8	626.2	624.4	623.2	625.8
20°	588.0	585.8	581.7	582.9	584.7
22.5°	536.9	536.5	534.3	532.5	534.7
25°	445.8	456.9	458.7	453.5	442.1
27.5°	323.9	349.8	359.1	346.8	325.7
30°	227.9	240.1	255.3	231.2	228.6
32.5°	137.5	140.8	154.9	138.2	134.5
35°	70.4	73.0	82.3	70.4	66.3
37.5°	33.0	34.5	38.2	33.0	30.8
40°	16.3	18.2	20.4	17.0	15.6
42.5°	7.0	9.3	11.9	8.9	6.3
45°	1.9	3.7	6.7	3.7	1.9
47.5°	1.1	1.5	3.7	1.5	1.1
50°	1.1	1.1	1.9	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	0.7	1.1	0.7	1.1	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.4	0.0	0.4	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)