

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: P1313435

Luminaire Tested: LDSQA3D05R709727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R709727DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

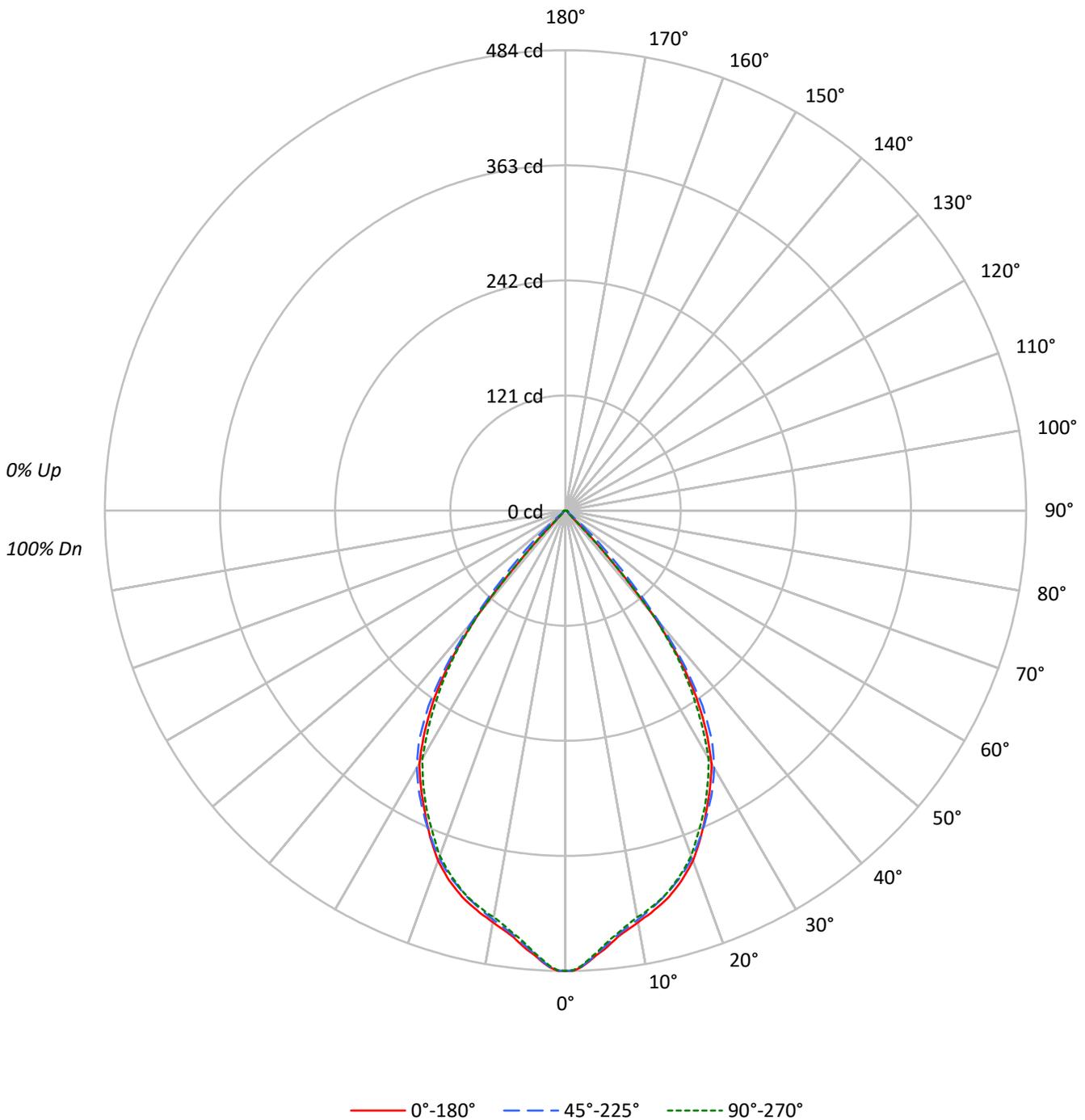
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 516.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
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

TEST NUMBER: P1313435
CATALOG NUMBER: LDSQA3D05R709727DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1313435

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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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	75	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	83339	83339	83339
5°	80113	79681	79387
10°	76860	76422	75898
15°	74921	74101	74029
20°	71789	71239	70781
25°	66452	66946	65654
30°	61052	62126	59799
35°	50354	52729	48398
40°	32059	34510	32059
45°	2241	14906	2460
50°	1018	3028	1018
55°	1141	1141	1141
60°	1171	1171	1171
65°	1019	1182	1019
70°	1057	1259	1057
75°	1131	1131	1131
80°	1289	1289	1289
85°	790	1581	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 14906 cd/sqm



TEST NUMBER: P1313435

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	8.4
10°-20°	116.9	22.7
20°-30°	160.7	31.1
30°-40°	147.2	28.5
40°-50°	39.1	7.6
50°-60°	3.5	0.7
60°-70°	2.8	0.6
70°-80°	1.9	0.4
80°-90°	0.7	0.1
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°	320.8	62.2
0°-40°	468.0	90.7
0°-60°	510.6	98.9
0°-90°	516.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	516.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	484	484	484	484	484	
5°	463	461	461	460	459	43
15°	420	416	416	416	415	118
25°	350	351	352	348	346	161
35°	240	243	251	240	230	145
45°	9	32	61	32	10	28
55°	4	4	4	4	4	3
65°	2	3	3	3	2	3
75°	2	2	2	2	2	2
85°	0	1	1	1	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	483.9	483.9	483.9	483.9	483.9
1°	483.9	483.1	483.9	483.9	483.1
2°	480.2	479.3	479.7	479.3	478.9
3°	474.7	473.5	473.9	473.0	472.2
4°	468.4	467.2	467.2	466.7	465.9
5°	463.4	461.3	460.9	460.0	459.2
6°	457.5	455.4	455.0	453.7	452.9
7°	451.6	450.0	449.5	447.9	447.9
8°	447.0	444.9	444.9	442.8	442.8
9°	443.3	440.7	440.7	439.1	438.2
10°	439.5	437.0	437.0	434.9	434.0
11°	435.7	433.6	432.8	431.5	431.1
12°	432.4	429.4	428.6	428.2	427.3
13°	428.2	425.2	424.4	424.0	423.5
14°	424.4	420.6	420.2	419.4	419.8
15°	420.2	416.4	415.6	415.6	415.2
17.5°	407.2	404.7	403.4	402.6	401.7
20°	391.7	389.6	388.7	387.1	386.2
22.5°	371.5	371.1	370.7	368.6	365.3
25°	349.7	351.0	352.3	348.1	345.5
27.5°	328.8	332.1	333.4	329.2	323.7
30°	307.0	309.9	312.4	306.5	300.7
32.5°	275.5	282.6	286.4	279.7	266.3
35°	239.5	243.2	250.8	239.5	230.2
37.5°	197.5	199.6	205.5	197.9	191.6
40°	142.6	148.9	153.5	148.9	142.6
42.5°	64.2	89.7	101.5	94.8	67.1
45°	9.2	31.5	61.2	31.9	10.1
47.5°	3.8	5.0	31.9	4.6	3.8
50°	3.8	3.8	11.3	3.8	3.8
52.5°	3.8	3.8	4.2	3.8	3.8
55°	3.8	3.8	3.8	3.8	3.8
57.5°	3.4	3.4	3.8	3.4	3.4
60°	3.4	3.4	3.4	3.4	3.4
62.5°	2.9	3.4	3.4	3.4	2.9
65°	2.5	2.9	2.9	2.9	2.5
67.5°	2.5	2.5	2.5	2.5	2.5
70°	2.1	2.5	2.5	2.5	2.1
72.5°	2.1	2.1	2.1	2.1	2.1
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.3	1.7	1.7	1.7	1.3
80°	1.3	1.3	1.3	1.3	1.3
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.8	0.8	0.8	0.4
87.5°	0.4	0.4	0.4	0.4	0.4



TEST NUMBER: P1313435
CATALOG NUMBER: LDSQA3D05R709727DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)