

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: P1317439

Luminaire Tested: LDSQA3D13R159827DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R159827DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

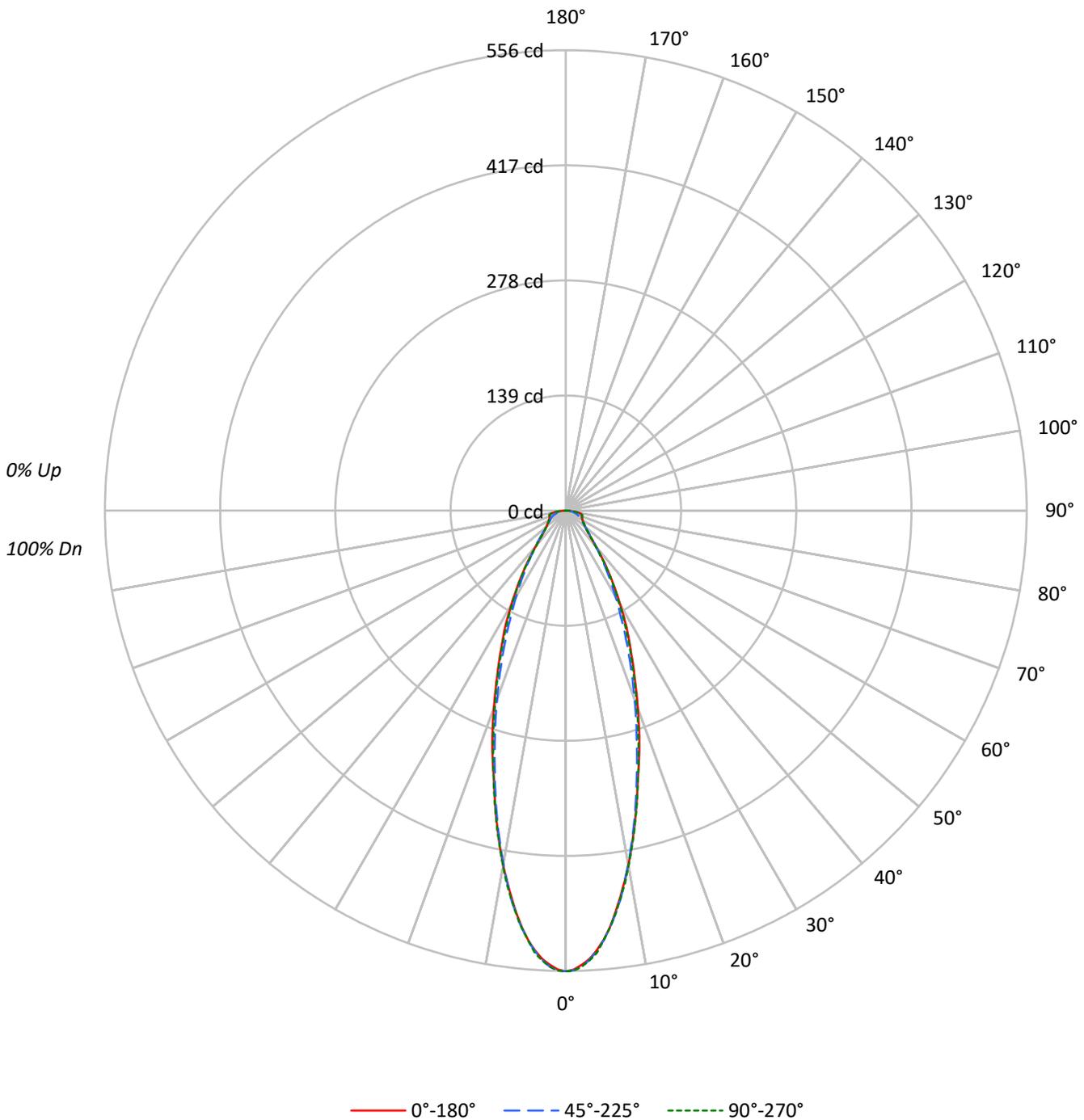
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 373.0 lumens
Efficiency: N/A
Efficacy: 25.7 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	95825	95825	95825
5°	90002	90105	90105
10°	76020	75793	76265
15°	59783	58945	59908
20°	46460	44353	45837
25°	35079	32628	34566
30°	26091	23804	25554
35°	18628	17345	18333
40°	12612	12770	12455
45°	9377	9889	9377
50°	8145	8145	8145
55°	7927	7507	7927
60°	8163	7440	7922
65°	8802	7702	8802
70°	10574	7805	10574
75°	13508	8118	13508
80°	16761	8728	16067
85°	13437	8102	14623

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 16761 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.9	12.6
10°-20°	92.8	24.9
20°-30°	82.0	22.0
30°-40°	53.9	14.4
40°-50°	31.5	8.4
50°-60°	23.2	6.2
60°-70°	19.8	5.3
70°-80°	16.3	4.4
80°-90°	6.8	1.8
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°	221.7	59.4
0°-40°	275.6	73.9
0°-60°	330.2	88.5
0°-90°	373.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	373.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	556	556	556	556	556	
5°	521	521	521	522	521	47
15°	335	335	331	335	336	94
25°	185	178	172	176	182	85
35°	89	85	82	84	87	56
45°	38	39	41	39	38	31
55°	26	26	25	26	26	24
65°	22	20	19	20	22	22
75°	20	15	12	16	20	21
85°	7	7	4	7	7	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	556.4	556.4	556.4	556.4	556.4
1°	554.4	555.1	555.1	555.7	555.7
2°	549.0	550.3	551.0	551.0	551.0
3°	542.2	542.9	543.6	544.2	544.2
4°	532.7	533.4	533.4	534.8	535.4
5°	520.6	520.6	521.2	521.9	521.2
6°	506.4	506.4	507.1	507.1	507.1
7°	489.5	490.1	490.8	491.5	490.8
8°	471.2	471.9	473.9	473.9	473.2
9°	453.0	453.6	453.6	455.7	455.7
10°	434.7	434.7	433.4	434.7	436.1
12.5°	385.4	384.7	382.7	384.7	386.0
15°	335.3	335.3	330.6	334.7	336.0
17.5°	294.8	288.7	283.9	288.0	291.4
20°	253.5	247.4	242.0	246.1	250.1
22.5°	216.3	211.6	204.8	208.9	213.6
25°	184.6	178.5	171.7	176.5	181.9
27.5°	158.2	150.1	143.3	148.7	153.5
30°	131.2	125.7	119.7	123.7	128.5
32.5°	108.2	104.1	99.4	102.8	106.8
35°	88.6	85.2	82.5	84.5	87.2
37.5°	71.0	69.6	68.3	69.0	69.0
40°	56.1	56.8	56.8	56.8	55.4
42.5°	46.0	46.6	48.0	46.6	46.0
45°	38.5	39.2	40.6	39.2	38.5
47.5°	33.8	34.5	35.2	33.8	33.8
50°	30.4	30.4	30.4	30.4	30.4
52.5°	28.4	27.7	27.7	27.7	28.4
55°	26.4	25.7	25.0	25.7	26.4
57.5°	24.3	23.7	23.0	23.7	24.3
60°	23.7	22.3	21.6	22.3	23.0
62.5°	22.3	21.0	20.3	21.0	22.3
65°	21.6	19.6	18.9	19.6	21.6
67.5°	21.0	18.3	16.9	18.3	21.0
70°	21.0	16.9	15.5	17.6	21.0
72.5°	20.3	16.2	13.5	16.2	20.3
75°	20.3	14.9	12.2	15.5	20.3
77.5°	18.9	13.5	10.1	14.2	18.9
80°	16.9	12.2	8.8	12.8	16.2
82.5°	12.2	10.1	6.8	10.1	12.2
85°	6.8	7.4	4.1	6.8	7.4
87.5°	0.7	2.0	1.4	4.1	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)