

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: P1320082

Luminaire Tested: LDSQA3D13R209840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R209840DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

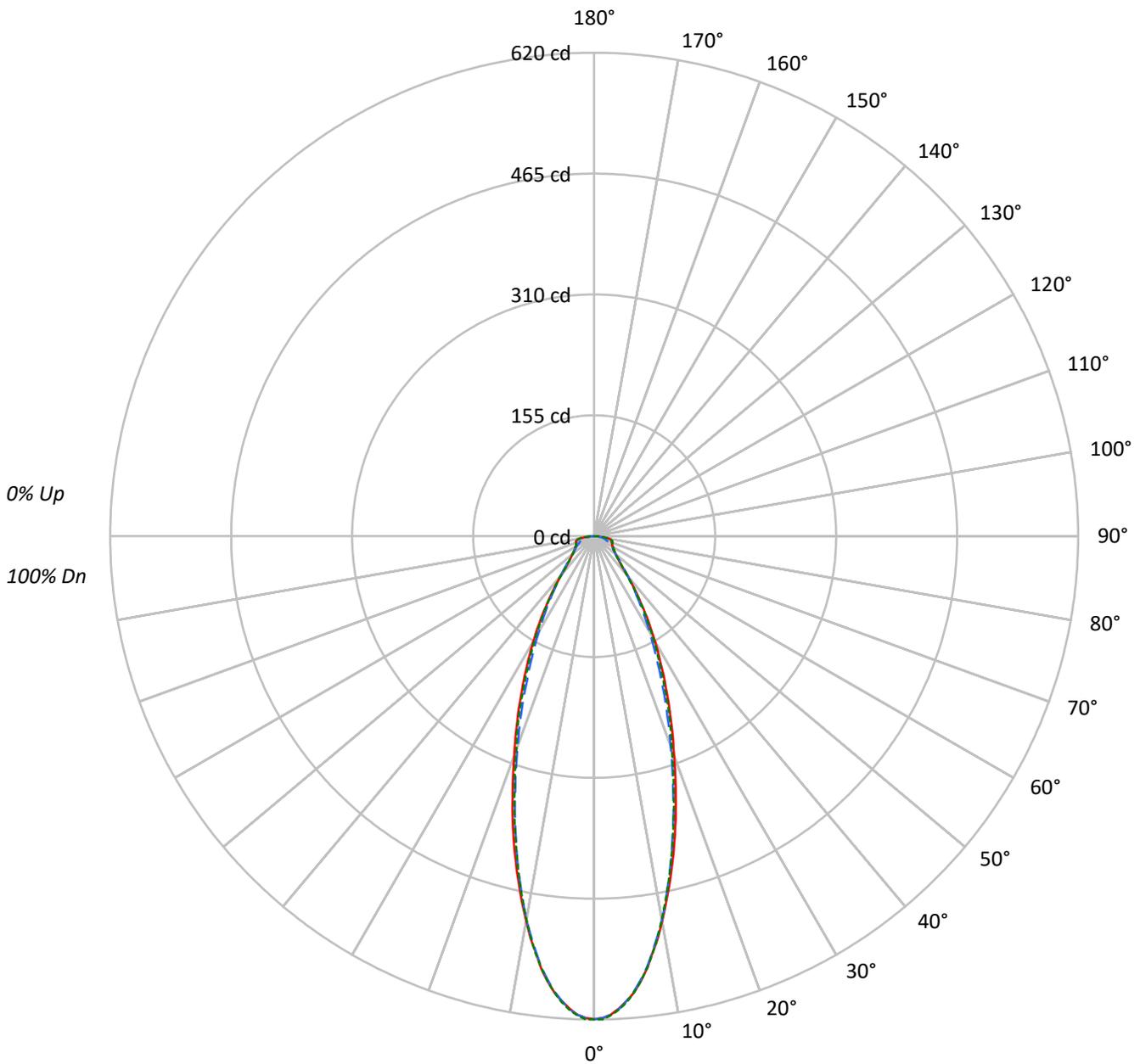
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 437.0 lumens
Efficiency: N/A
Efficacy: 30.1 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
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



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



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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	100				100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89				89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80				80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72				72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66				66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61				61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	57				57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	53				53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	50				50
9	71	60	53	49	69	59	53	49	58	53	49	58	52	49	57	52	48	47				47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44				44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	106726	106726	106726
5°	101550	101273	101550
10°	87667	87387	87265
15°	71141	69501	69768
20°	54818	52417	53406
25°	41635	38575	40476
30°	30884	28139	29969
35°	21823	20373	21508
40°	15041	15041	14681
45°	11058	11618	11058
50°	9672	9672	9672
55°	9248	9008	9248
60°	9541	8749	9541
65°	10351	8762	10351
70°	12387	8913	12387
75°	15837	9715	15837
80°	19836	9918	19042
85°	15215	9090	16796

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 19836 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	12.2
10°-20°	108.5	24.8
20°-30°	96.9	22.2
30°-40°	63.6	14.6
40°-50°	37.0	8.5
50°-60°	27.4	6.3
60°-70°	23.2	5.3
70°-80°	19.1	4.4
80°-90°	8.0	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°	258.6	59.2
0°-40°	322.2	73.7
0°-60°	386.7	88.5
0°-90°	437.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	437.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	620	620	620	620	620	
5°	587	587	586	587	587	53
15°	399	395	390	391	391	110
25°	219	213	203	208	213	101
35°	104	101	97	100	102	66
45°	45	46	48	46	45	36
55°	31	30	30	30	31	28
65°	25	23	22	23	25	25
75°	24	18	15	18	24	24
85°	8	8	5	8	8	9
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	619.7	619.7	619.7	619.7	619.7
1°	618.1	618.9	618.1	618.9	619.7
2°	614.3	615.1	614.3	614.3	615.1
3°	606.6	607.4	607.4	607.4	608.1
4°	597.4	598.1	597.4	598.1	598.9
5°	587.4	586.6	585.8	586.6	587.4
6°	573.5	572.8	572.0	572.8	573.5
7°	558.2	557.4	556.6	556.6	557.4
8°	538.9	539.7	537.4	538.9	539.7
9°	522.0	520.5	518.9	518.9	520.5
10°	501.3	499.7	499.7	499.0	499.0
12.5°	450.5	447.4	445.1	445.1	445.9
15°	399.0	395.2	389.8	390.6	391.3
17.5°	347.5	342.9	336.0	337.5	339.0
20°	299.1	294.5	286.0	289.1	291.4
22.5°	257.6	250.6	242.9	245.3	252.9
25°	219.1	213.0	203.0	208.3	213.0
27.5°	185.3	178.4	169.9	175.3	179.9
30°	155.3	149.1	141.5	146.1	150.7
32.5°	128.4	123.0	117.6	120.7	124.5
35°	103.8	100.7	96.9	99.9	102.3
37.5°	83.8	82.3	80.7	82.3	81.5
40°	66.9	67.7	66.9	66.9	65.3
42.5°	53.0	55.4	56.1	54.6	53.0
45°	45.4	46.1	47.7	46.1	45.4
47.5°	40.0	40.0	40.7	40.0	39.2
50°	36.1	36.1	36.1	36.1	36.1
52.5°	33.1	33.1	32.3	33.1	33.1
55°	30.8	30.0	30.0	30.0	30.8
57.5°	29.2	28.4	27.7	28.4	29.2
60°	27.7	26.1	25.4	26.1	27.7
62.5°	26.1	24.6	23.8	24.6	26.1
65°	25.4	23.1	21.5	23.1	25.4
67.5°	24.6	21.5	20.0	21.5	25.4
70°	24.6	20.0	17.7	20.8	24.6
72.5°	23.8	19.2	16.1	19.2	23.8
75°	23.8	17.7	14.6	17.7	23.8
77.5°	22.3	16.1	12.3	16.1	22.3
80°	20.0	14.6	10.0	14.6	19.2
82.5°	14.6	12.3	7.7	12.3	14.6
85°	7.7	8.5	4.6	8.5	8.5
87.5°	0.8	3.1	1.5	4.6	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)