

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: P1320133

Luminaire Tested: LDSQA3D13R359840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320133
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R359840DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

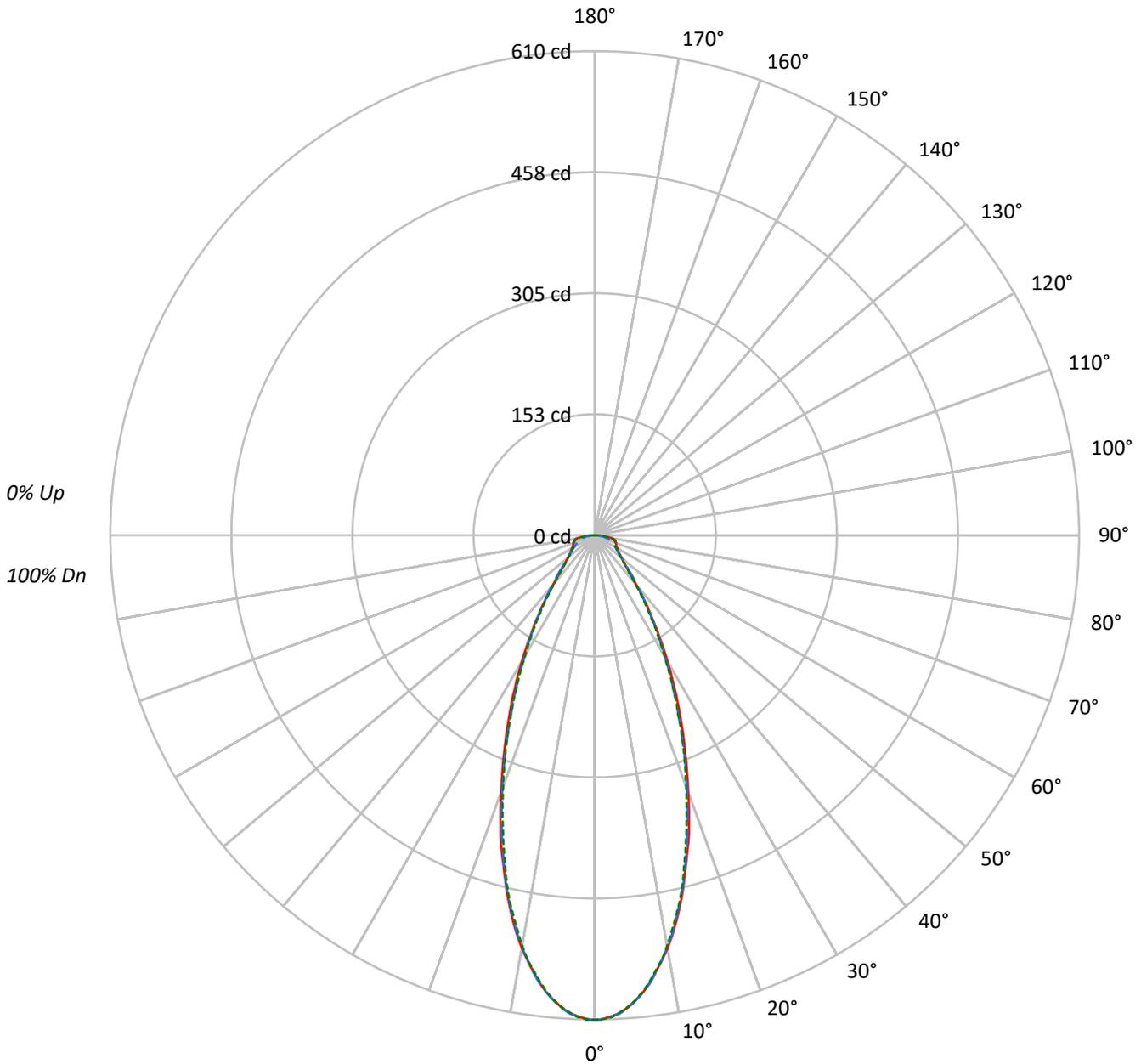
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 505.0 lumens
Efficiency: N/A
Efficacy: 34.8 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
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				
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	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	66	62	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	105125	105125	105125
5°	101671	101792	101671
10°	92354	92214	91812
15°	78398	78130	77435
20°	63120	62277	61709
25°	48799	47336	47336
30°	36392	35159	34861
35°	26176	25860	25208
40°	18323	18840	17626
45°	13664	14419	13298
50°	11735	11735	11521
55°	11080	10629	10839
60°	11401	10333	10850
65°	12225	10351	11899
70°	14301	10826	13948
75°	17900	11246	17367
80°	22910	12199	20629
85°	18180	12054	18180

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 22910 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.2	10.7
10°-20°	121.0	24.0
20°-30°	115.5	22.9
30°-40°	77.6	15.4
40°-50°	45.6	9.0
50°-60°	32.6	6.5
60°-70°	27.1	5.4
70°-80°	22.2	4.4
80°-90°	9.2	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°	290.7	57.6
0°-40°	368.3	72.9
0°-60°	446.5	88.4
0°-90°	505.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	505.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	610	610	610	610	610	
5°	588	590	589	588	588	54
15°	440	440	438	435	434	122
25°	257	254	249	249	249	118
35°	124	124	123	121	120	79
45°	56	58	59	56	55	45
55°	37	36	35	35	36	34
65°	30	27	25	27	29	30
75°	27	21	17	21	26	28
85°	9	10	6	10	9	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	610.4	610.4	610.4	610.4	610.4
1°	609.6	610.4	610.4	609.6	609.6
2°	606.5	608.1	607.3	606.5	607.3
3°	602.7	604.2	603.4	602.7	601.9
4°	596.5	598.1	597.3	595.8	595.8
5°	588.1	589.6	588.8	588.1	588.1
6°	579.6	581.2	579.6	578.1	578.1
7°	568.1	570.4	568.9	567.3	566.6
8°	555.0	557.3	555.8	555.0	553.5
9°	542.0	543.5	541.2	541.2	541.2
10°	528.1	528.9	527.3	525.0	525.0
11°	512.7	512.0	511.2	509.7	508.1
12°	495.8	495.8	493.5	492.0	491.2
13°	478.1	477.4	475.8	474.3	474.3
14°	459.7	459.7	458.2	455.1	455.9
15°	439.7	440.5	438.2	435.1	434.3
17.5°	394.4	392.8	389.0	386.7	384.4
20°	344.4	343.6	339.8	337.5	336.7
22.5°	298.3	297.5	293.7	291.3	292.9
25°	256.8	253.7	249.1	249.1	249.1
27.5°	218.3	214.5	211.4	209.9	211.4
30°	183.0	179.9	176.8	176.0	175.3
32.5°	151.4	149.9	148.4	146.1	146.1
35°	124.5	124.5	123.0	120.7	119.9
37.5°	101.5	102.2	101.5	99.2	98.4
40°	81.5	83.0	83.8	81.5	78.4
42.5°	66.9	69.2	70.7	66.9	64.6
45°	56.1	57.7	59.2	56.1	54.6
47.5°	49.2	50.0	50.7	48.4	47.7
50°	43.8	43.8	43.8	43.0	43.0
52.5°	40.0	40.0	39.2	38.4	38.4
55°	36.9	36.1	35.4	35.4	36.1
57.5°	34.6	33.8	32.3	33.1	33.8
60°	33.1	31.5	30.0	30.7	31.5
62.5°	30.7	29.2	27.7	28.4	30.0
65°	30.0	26.9	25.4	26.9	29.2
67.5°	29.2	25.4	23.1	25.4	28.4
70°	28.4	23.8	21.5	23.8	27.7
72.5°	27.7	22.3	19.2	22.3	26.9
75°	26.9	20.8	16.9	20.8	26.1
77.5°	25.4	19.2	14.6	19.2	23.8
80°	23.1	17.7	12.3	16.9	20.8
82.5°	16.9	14.6	10.0	14.6	15.4
85°	9.2	10.0	6.1	10.0	9.2
87.5°	0.8	1.5	1.5	4.6	3.1



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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)