

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **4SNLED-LD5-66SL-SLC-UNV-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-66SL-SLC-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

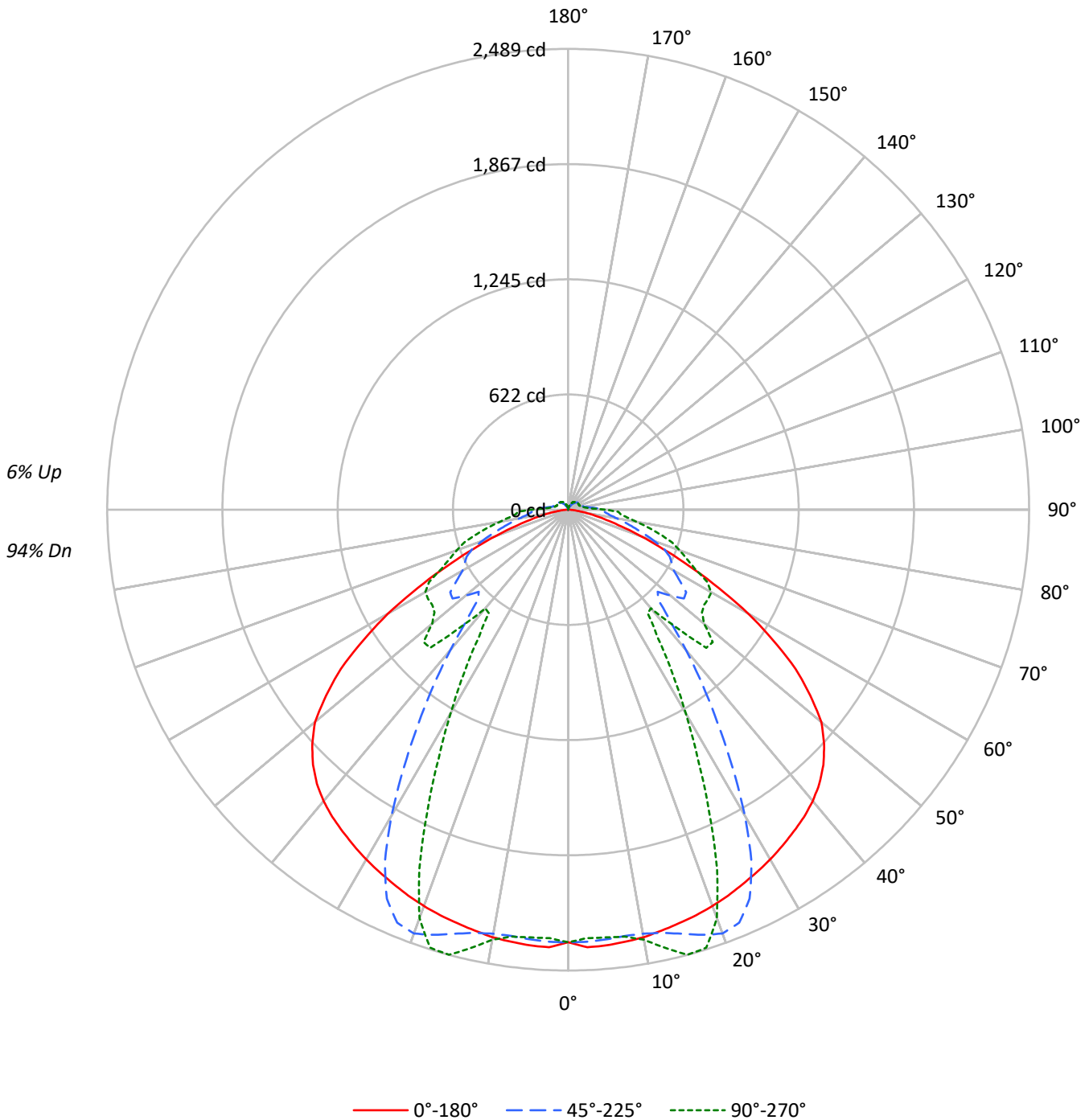
Lumens per Lamp: N/A
Luminaire Lumens: 6002.0 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): 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: 25 FT



TEST NUMBER: P#
CATALOG NUMBER: 4SNLED-LD5-66SL-SLC-UNV-L950-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-66SL-SLC-UNV-L950-CD1-U

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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	64	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18881	18881	18881
5°	19111	18439	18213
10°	19135	18158	18149
15°	19188	18415	18917
20°	19366	18963	17757
25°	19607	18224	13672
30°	19994	15264	9725
35°	20489	11560	6585
40°	21116	8403	5576
45°	21595	6096	8766
50°	21625	6750	8320
55°	20213	7768	8215
60°	17223	7109	8732
65°	12956	7169	7988
70°	9093	6526	7435
75°	5959	5467	6671
80°	3803	4684	5554
85°	2050	4452	4984



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-66SL-SLC-UNV-L950-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.3	3.7
10°-20°	671.3	11.2
20°-30°	975.2	16.2
30°-40°	931.7	15.5
40°-50°	852.3	14.2
50°-60°	786.9	13.1
60°-70°	625.1	10.4
70°-80°	385.8	6.4
80°-90°	210.1	3.5
90°-100°	106.2	1.8
100°-110°	66.7	1.1
110°-120°	56.5	0.9
120°-130°	46.2	0.8
130°-140°	33.1	0.6
140°-150°	20.4	0.3
150°-160°	9.7	0.2
160°-170°	2.5	0.0
170°-180°	0.0	0.0
0°-30°	1868.8	31.1
0°-40°	2800.5	46.7
0°-60°	4439.7	74.0
0°-90°	5660.7	94.3
90°-120°	229.4	3.8
90°-150°	329.1	5.5
90°-180°	341.0	5.7
0°-180°	6002.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2336	2336	2336	2336	2336	
5°	2362	2326	2330	2318	2319	225
15°	2313	2282	2371	2459	2489	655
25°	2231	2274	2318	1962	1802	1031
35°	2122	2088	1408	969	843	1331
45°	1949	1359	687	876	1055	1498
55°	1499	697	778	837	896	1320
65°	723	452	606	736	754	731
75°	213	241	363	481	513	242
85°	30	102	206	280	284	38
90°	1	76	184	218	202	2
95°	0	71	127	113	106	0
105°	0	64	79	71	70	0
115°	0	53	76	67	64	0
125°	1	42	67	65	62	1
135°	1	30	54	59	57	1
145°	1	19	37	48	51	1
155°	2	11	23	30	36	1
165°	2	6	11	14	20	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-66SL-SLC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2336.5	2336.5	2336.5	2336.5	2336.5
2.5°	2365.5	2331.3	2335.5	2328.2	2315.8
5°	2362.4	2326.2	2330.3	2317.9	2318.9
7.5°	2354.1	2316.9	2322.0	2320.0	2325.1
10°	2344.8	2305.5	2325.1	2342.7	2358.2
12.5°	2328.2	2293.1	2340.7	2392.4	2424.4
15°	2312.7	2281.7	2370.7	2458.6	2488.6
17.5°	2297.2	2277.6	2407.9	2484.4	2480.3
20°	2277.6	2275.5	2435.8	2410.0	2346.9
22.5°	2255.8	2276.5	2414.1	2224.8	2100.7
25°	2231.0	2274.5	2317.9	1962.1	1801.8
27.5°	2206.2	2265.2	2143.1	1674.6	1516.3
30°	2181.4	2240.3	1907.3	1411.8	1268.1
32.5°	2152.4	2186.5	1650.8	1179.1	1046.7
35°	2122.4	2088.3	1407.7	969.2	843.0
37.5°	2091.4	1946.6	1189.5	785.0	704.4
40°	2054.2	1768.7	988.8	673.3	695.1
42.5°	2007.6	1568.0	811.9	706.4	857.4
45°	1948.7	1359.1	686.8	876.1	1055.0
47.5°	1874.2	1158.4	655.8	1003.3	1059.1
50°	1784.2	974.3	720.9	961.9	957.8
52.5°	1647.7	821.2	787.1	877.1	910.2
55°	1498.7	697.1	777.8	836.8	895.7
57.5°	1310.5	613.3	713.7	828.5	896.8
60°	1123.3	557.5	658.9	827.5	891.6
62.5°	916.4	506.8	630.9	807.8	846.1
65°	723.0	452.0	606.1	736.4	754.0
67.5°	554.4	396.1	562.7	656.8	692.0
70°	417.9	341.3	494.4	595.8	639.2
72.5°	301.0	289.6	424.1	542.0	587.5
75°	213.1	241.0	363.0	481.0	513.0
77.5°	146.9	196.5	311.3	413.7	439.6
80°	96.2	157.2	264.8	355.8	373.4
82.5°	57.9	126.2	229.6	311.3	320.6
85°	30.0	102.4	205.8	280.3	284.4
87.5°	9.3	85.8	192.4	265.8	271.0
90°	1.0	76.5	184.1	218.2	201.7
92.5°	0.0	72.4	159.3	148.9	133.4
95°	0.0	71.4	127.2	112.7	106.5
97.5°	0.0	69.3	104.5	94.1	91.0
100°	0.0	67.2	90.0	82.7	81.7
102.5°	0.0	66.2	81.7	75.5	74.5
105°	0.0	64.1	78.6	71.4	70.3
107.5°	0.0	61.0	76.5	69.3	67.2
110°	0.0	57.9	76.5	68.3	65.2



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-66SL-SLC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	54.8	76.5	67.2	64.1
115°	0.0	52.8	75.5	67.2	64.1
117.5°	1.0	50.7	74.5	67.2	64.1
120°	0.0	48.6	72.4	67.2	63.1
122.5°	1.0	45.5	70.3	66.2	63.1
125°	1.0	42.4	67.2	65.2	62.1
127.5°	1.0	39.3	64.1	63.1	60.0
130°	1.0	36.2	61.0	62.1	59.0
132.5°	1.0	33.1	56.9	60.0	57.9
135°	1.0	30.0	53.8	59.0	56.9
137.5°	1.0	26.9	49.6	55.9	55.9
140°	1.0	23.8	45.5	53.8	54.8
142.5°	1.0	21.7	41.4	51.7	52.8
145°	1.0	18.6	37.2	47.6	50.7
147.5°	1.0	16.5	33.1	43.4	47.6
150°	1.0	14.5	29.0	39.3	43.4
152.5°	1.0	12.4	25.9	34.1	40.3
155°	2.1	11.4	22.8	30.0	36.2
157.5°	2.1	9.3	18.6	25.9	31.0
160°	2.1	8.3	16.5	21.7	27.9
162.5°	2.1	7.2	13.4	18.6	23.8
165°	2.1	6.2	11.4	14.5	19.7
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)