

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-L935-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-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

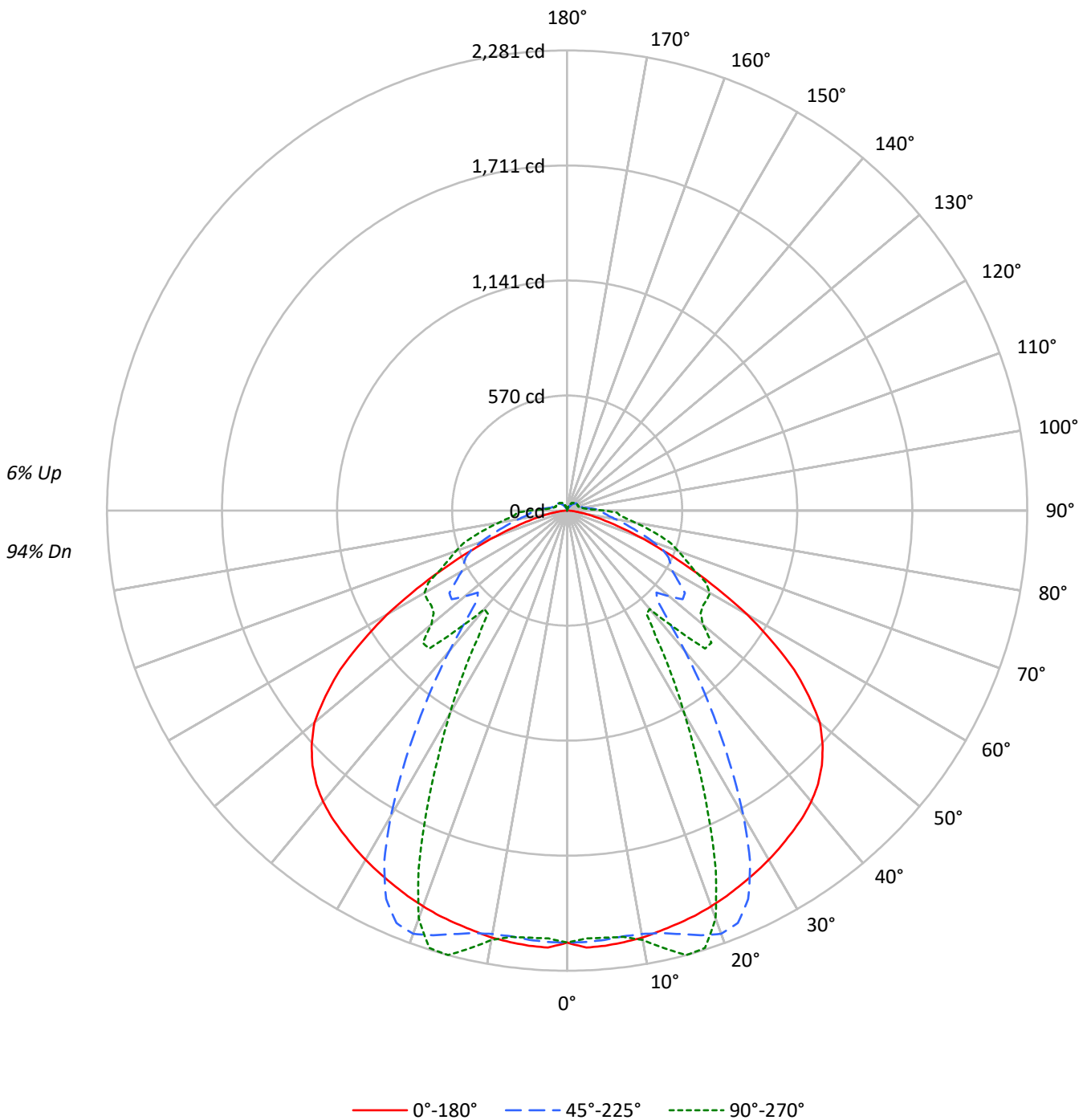
Lumens per Lamp: N/A
Luminaire Lumens: 5501.0 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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



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Luminous Intensity Polar Plot





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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	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	63	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°	17305	17305	17305
5°	17516	16900	16693
10°	17538	16643	16635
15°	17586	16878	17338
20°	17750	17380	16274
25°	17970	16703	12531
30°	18325	13989	8913
35°	18780	10595	6035
40°	19353	7702	5110
45°	19792	5588	8034
50°	19821	6186	7625
55°	18526	7120	7530
60°	15784	6515	8004
65°	11874	6570	7321
70°	8334	5981	6815
75°	5461	5011	6115
80°	3487	4293	5090
85°	1879	4080	4569



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.7	3.7
10°-20°	615.3	11.2
20°-30°	893.8	16.2
30°-40°	854.0	15.5
40°-50°	781.1	14.2
50°-60°	721.2	13.1
60°-70°	572.9	10.4
70°-80°	353.6	6.4
80°-90°	192.6	3.5
90°-100°	97.3	1.8
100°-110°	61.2	1.1
110°-120°	51.8	0.9
120°-130°	42.3	0.8
130°-140°	30.3	0.6
140°-150°	18.7	0.3
150°-160°	8.9	0.2
160°-170°	2.3	0.0
170°-180°	0.0	0.0
0°-30°	1712.8	31.1
0°-40°	2566.7	46.7
0°-60°	4069.1	74.0
0°-90°	5188.2	94.3
90°-120°	210.3	3.8
90°-150°	301.6	5.5
90°-180°	313.0	5.7
0°-180°	5501.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2142	2142	2142	2142	2142	
5°	2165	2132	2136	2124	2125	206
15°	2120	2091	2173	2253	2281	600
25°	2045	2085	2124	1798	1651	945
35°	1945	1914	1290	888	773	1220
45°	1786	1246	630	803	967	1373
55°	1374	639	713	767	821	1210
65°	663	414	556	675	691	670
75°	195	221	333	441	470	221
85°	28	94	189	257	261	35
90°	1	70	169	200	185	1
95°	0	65	117	103	98	0
105°	0	59	72	65	64	0
115°	0	48	69	62	59	0
125°	1	39	62	60	57	1
135°	1	28	49	54	52	1
145°	1	17	34	44	46	1
155°	2	10	21	28	33	1
165°	2	6	10	13	18	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2141.5	2141.5	2141.5	2141.5	2141.5
2.5°	2168.0	2136.7	2140.5	2133.9	2122.5
5°	2165.2	2132.0	2135.8	2124.4	2125.4
7.5°	2157.6	2123.5	2128.2	2126.3	2131.1
10°	2149.1	2113.0	2131.1	2147.2	2161.4
12.5°	2133.9	2101.7	2145.3	2192.7	2222.1
15°	2119.7	2091.2	2172.8	2253.3	2280.8
17.5°	2105.5	2087.5	2206.9	2277.0	2273.3
20°	2087.5	2085.6	2232.5	2208.8	2151.0
22.5°	2067.5	2086.5	2212.6	2039.1	1925.3
25°	2044.8	2084.6	2124.4	1798.3	1651.4
27.5°	2022.0	2076.1	1964.2	1534.8	1389.7
30°	1999.3	2053.3	1748.1	1294.0	1162.2
32.5°	1972.7	2004.0	1513.0	1080.7	959.4
35°	1945.3	1914.0	1290.2	888.3	772.6
37.5°	1916.8	1784.1	1090.2	719.5	645.6
40°	1882.7	1621.0	906.3	617.1	637.0
42.5°	1840.0	1437.1	744.2	647.5	785.9
45°	1786.0	1245.6	629.5	802.9	966.9
47.5°	1717.7	1061.7	601.0	919.5	970.7
50°	1635.3	893.0	660.7	881.6	877.8
52.5°	1510.1	752.7	721.4	803.9	834.2
55°	1373.6	638.9	712.9	766.9	821.0
57.5°	1201.1	562.2	654.1	759.3	821.9
60°	1029.5	511.0	603.9	758.4	817.2
62.5°	839.9	464.5	578.3	740.4	775.4
65°	662.6	414.3	555.5	675.0	691.1
67.5°	508.1	363.1	515.7	602.0	634.2
70°	383.0	312.8	453.1	546.0	585.9
72.5°	275.9	265.4	388.7	496.7	538.5
75°	195.3	220.9	332.7	440.8	470.2
77.5°	134.6	180.1	285.3	379.2	402.9
80°	88.2	144.1	242.7	326.1	342.2
82.5°	53.1	115.7	210.5	285.3	293.9
85°	27.5	93.9	188.6	256.9	260.7
87.5°	8.5	78.7	176.3	243.6	248.4
90°	0.9	70.2	168.7	200.0	184.9
92.5°	0.0	66.4	146.0	136.5	122.3
95°	0.0	65.4	116.6	103.3	97.6
97.5°	0.0	63.5	95.7	86.3	83.4
100°	0.0	61.6	82.5	75.8	74.9
102.5°	0.0	60.7	74.9	69.2	68.3
105°	0.0	58.8	72.0	65.4	64.5
107.5°	0.0	55.9	70.2	63.5	61.6
110°	0.0	53.1	70.2	62.6	59.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	50.2	70.2	61.6	58.8
115°	0.0	48.3	69.2	61.6	58.8
117.5°	0.9	46.5	68.3	61.6	58.8
120°	0.0	44.6	66.4	61.6	57.8
122.5°	0.9	41.7	64.5	60.7	57.8
125°	0.9	38.9	61.6	59.7	56.9
127.5°	0.9	36.0	58.8	57.8	55.0
130°	0.9	33.2	55.9	56.9	54.0
132.5°	0.9	30.3	52.1	55.0	53.1
135°	0.9	27.5	49.3	54.0	52.1
137.5°	0.9	24.6	45.5	51.2	51.2
140°	0.9	21.8	41.7	49.3	50.2
142.5°	0.9	19.9	37.9	47.4	48.3
145°	0.9	17.1	34.1	43.6	46.5
147.5°	0.9	15.2	30.3	39.8	43.6
150°	0.9	13.3	26.5	36.0	39.8
152.5°	0.9	11.4	23.7	31.3	37.0
155°	1.9	10.4	20.9	27.5	33.2
157.5°	1.9	8.5	17.1	23.7	28.4
160°	1.9	7.6	15.2	19.9	25.6
162.5°	1.9	6.6	12.3	17.1	21.8
165°	1.9	5.7	10.4	13.3	18.0
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)