

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-L930-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-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

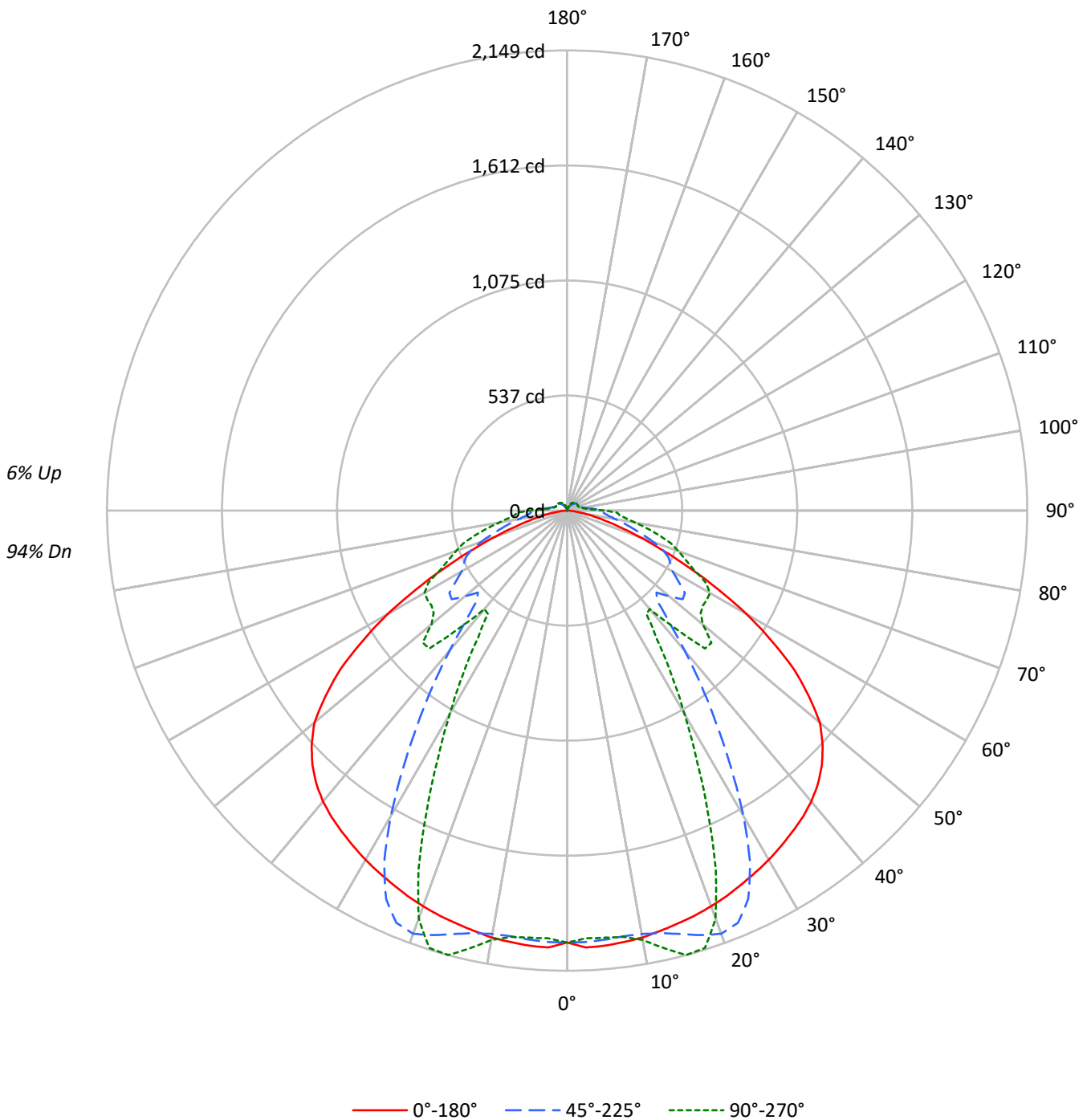
Lumens per Lamp: N/A
Luminaire Lumens: 5182.0 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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	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°	16302	16302	16302
5°	16500	15920	15724
10°	16521	15678	15670
15°	16567	15899	16333
20°	16720	16372	15330
25°	16928	15734	11804
30°	17263	13178	8396
35°	17691	9981	5685
40°	18231	7255	4814
45°	18644	5264	7569
50°	18670	5828	7183
55°	17452	6707	7093
60°	14869	6137	7540
65°	11186	6190	6896
70°	7851	5635	6419
75°	5145	4720	5760
80°	3281	4044	4795
85°	1769	3844	4304



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.9	3.7
10°-20°	579.6	11.2
20°-30°	841.9	16.2
30°-40°	804.4	15.5
40°-50°	735.8	14.2
50°-60°	679.4	13.1
60°-70°	539.7	10.4
70°-80°	333.1	6.4
80°-90°	181.4	3.5
90°-100°	91.7	1.8
100°-110°	57.6	1.1
110°-120°	48.8	0.9
120°-130°	39.9	0.8
130°-140°	28.6	0.6
140°-150°	17.6	0.3
150°-160°	8.4	0.2
160°-170°	2.2	0.0
170°-180°	0.0	0.0
0°-30°	1613.4	31.1
0°-40°	2417.9	46.7
0°-60°	3833.1	74.0
0°-90°	4887.3	94.3
90°-120°	198.1	3.8
90°-150°	284.1	5.5
90°-180°	295.0	5.7
0°-180°	5182.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2017	2017	2017	2017	2017	
5°	2040	2008	2012	2001	2002	194
15°	1997	1970	2047	2123	2149	565
25°	1926	1964	2001	1694	1556	890
35°	1832	1803	1215	837	728	1149
45°	1682	1173	593	756	911	1293
55°	1294	602	672	722	773	1140
65°	624	390	523	636	651	631
75°	184	208	313	415	443	209
85°	26	88	178	242	246	33
90°	1	66	159	188	174	1
95°	0	62	110	97	92	0
105°	0	55	68	62	61	0
115°	0	46	65	58	55	0
125°	1	37	58	56	54	1
135°	1	26	46	51	49	1
145°	1	16	32	41	44	1
155°	2	10	20	26	31	1
165°	2	5	10	12	17	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°	2017.3	2017.3	2017.3	2017.3	2017.3
2.5°	2042.3	2012.8	2016.4	2010.2	1999.4
5°	2039.6	2008.4	2011.9	2001.2	2002.1
7.5°	2032.5	2000.3	2004.8	2003.0	2007.5
10°	2024.4	1990.5	2007.5	2022.7	2036.1
12.5°	2010.2	1979.8	2020.9	2065.5	2093.2
15°	1996.8	1970.0	2046.8	2122.7	2148.6
17.5°	1983.4	1966.4	2078.9	2145.0	2141.4
20°	1966.4	1964.6	2103.0	2080.7	2026.2
22.5°	1947.6	1965.5	2084.3	1920.9	1813.7
25°	1926.2	1963.7	2001.2	1694.0	1555.6
27.5°	1904.8	1955.7	1850.3	1445.8	1309.1
30°	1883.4	1934.3	1646.7	1219.0	1094.8
32.5°	1858.3	1887.8	1425.2	1018.0	903.7
35°	1832.5	1803.0	1215.4	836.7	727.8
37.5°	1805.7	1680.6	1027.0	677.8	608.1
40°	1773.5	1527.0	853.7	581.3	600.1
42.5°	1733.3	1353.8	701.0	609.9	740.3
45°	1682.4	1173.4	593.0	756.4	910.9
47.5°	1618.1	1000.2	566.2	866.2	914.4
50°	1540.4	841.2	622.4	830.5	826.9
52.5°	1422.6	709.0	679.6	757.3	785.8
55°	1294.0	601.9	671.5	722.4	773.3
57.5°	1131.4	529.6	616.2	715.3	774.2
60°	969.8	481.3	568.8	714.4	769.8
62.5°	791.2	437.6	544.7	697.4	730.5
65°	624.2	390.2	523.3	635.8	651.0
67.5°	478.7	342.0	485.8	567.1	597.4
70°	360.8	294.7	426.9	514.4	551.9
72.5°	259.9	250.0	366.1	467.9	507.2
75°	184.0	208.1	313.4	415.2	442.9
77.5°	126.8	169.7	268.8	357.2	379.5
80°	83.0	135.7	228.6	307.2	322.4
82.5°	50.0	108.9	198.2	268.8	276.8
85°	25.9	88.4	177.7	242.0	245.6
87.5°	8.0	74.1	166.1	229.5	234.0
90°	0.9	66.1	159.0	188.4	174.1
92.5°	0.0	62.5	137.5	128.6	115.2
95°	0.0	61.6	109.8	97.3	92.0
97.5°	0.0	59.8	90.2	81.3	78.6
100°	0.0	58.0	77.7	71.4	70.5
102.5°	0.0	57.2	70.5	65.2	64.3
105°	0.0	55.4	67.9	61.6	60.7
107.5°	0.0	52.7	66.1	59.8	58.0
110°	0.0	50.0	66.1	58.9	56.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	47.3	66.1	58.0	55.4
115°	0.0	45.5	65.2	58.0	55.4
117.5°	0.9	43.8	64.3	58.0	55.4
120°	0.0	42.0	62.5	58.0	54.5
122.5°	0.9	39.3	60.7	57.2	54.5
125°	0.9	36.6	58.0	56.3	53.6
127.5°	0.9	33.9	55.4	54.5	51.8
130°	0.9	31.3	52.7	53.6	50.9
132.5°	0.9	28.6	49.1	51.8	50.0
135°	0.9	25.9	46.4	50.9	49.1
137.5°	0.9	23.2	42.9	48.2	48.2
140°	0.9	20.5	39.3	46.4	47.3
142.5°	0.9	18.8	35.7	44.7	45.5
145°	0.9	16.1	32.1	41.1	43.8
147.5°	0.9	14.3	28.6	37.5	41.1
150°	0.9	12.5	25.0	33.9	37.5
152.5°	0.9	10.7	22.3	29.5	34.8
155°	1.8	9.8	19.6	25.9	31.3
157.5°	1.8	8.0	16.1	22.3	26.8
160°	1.8	7.1	14.3	18.8	24.1
162.5°	1.8	6.3	11.6	16.1	20.5
165°	1.8	5.4	9.8	12.5	17.0
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)