

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-LD5-63SL-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-LD5-63SL-SLC-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

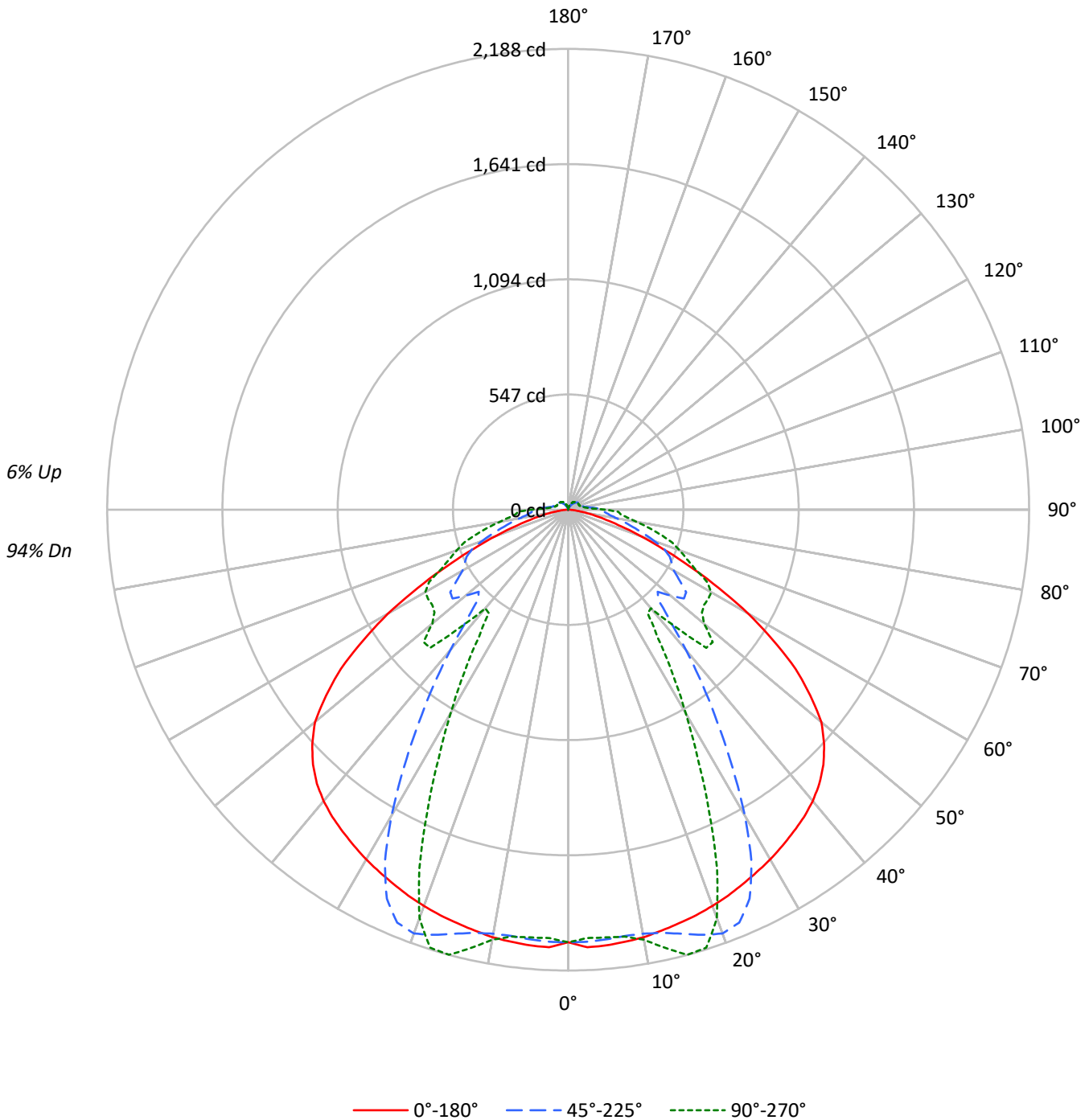
Lumens per Lamp: N/A
Luminaire Lumens: 5276.0 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 52
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°	16598	16598	16598
5°	16799	16209	16009
10°	16821	15962	15954
15°	16867	16187	16628
20°	17024	16669	15609
25°	17236	16019	12018
30°	17575	13417	8549
35°	18011	10161	5789
40°	18562	7387	4902
45°	18982	5359	7706
50°	19010	5934	7313
55°	17768	6829	7222
60°	15139	6249	7676
65°	11388	6302	7021
70°	7992	5737	6536
75°	5237	4806	5865
80°	3344	4118	4881
85°	1804	3913	4381



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.4	3.7
10°-20°	590.1	11.2
20°-30°	857.2	16.2
30°-40°	819.0	15.5
40°-50°	749.2	14.2
50°-60°	691.8	13.1
60°-70°	549.5	10.4
70°-80°	339.1	6.4
80°-90°	184.7	3.5
90°-100°	93.3	1.8
100°-110°	58.6	1.1
110°-120°	49.7	0.9
120°-130°	40.6	0.8
130°-140°	29.1	0.6
140°-150°	18.0	0.3
150°-160°	8.5	0.2
160°-170°	2.2	0.0
170°-180°	0.0	0.0
0°-30°	1642.7	31.1
0°-40°	2461.7	46.7
0°-60°	3902.7	74.0
0°-90°	4976.0	94.3
90°-120°	201.7	3.8
90°-150°	289.3	5.5
90°-180°	300.0	5.7
0°-180°	5276.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2054	2054	2054	2054	2054	
5°	2077	2045	2048	2038	2038	198
15°	2033	2006	2084	2161	2188	575
25°	1961	1999	2038	1725	1584	906
35°	1866	1836	1237	852	741	1170
45°	1713	1195	604	770	927	1316
55°	1317	613	684	736	787	1160
65°	636	397	533	647	663	643
75°	187	212	319	423	451	212
85°	26	90	181	246	250	34
90°	1	67	162	192	177	1
95°	0	63	112	99	94	0
105°	0	56	69	63	62	0
115°	0	46	66	59	56	0
125°	1	37	59	57	55	1
135°	1	26	47	52	50	1
145°	1	16	33	42	45	1
155°	2	10	20	26	32	1
165°	2	6	10	13	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°	2053.9	2053.9	2053.9	2053.9	2053.9
2.5°	2079.4	2049.4	2053.0	2046.6	2035.7
5°	2076.6	2044.8	2048.4	2037.5	2038.4
7.5°	2069.4	2036.6	2041.2	2039.3	2043.9
10°	2061.2	2026.6	2043.9	2059.4	2073.0
12.5°	2046.6	2015.7	2057.5	2103.0	2131.2
15°	2033.0	2005.7	2083.9	2161.2	2187.5
17.5°	2019.3	2002.1	2116.6	2183.9	2180.3
20°	2002.1	2000.3	2141.2	2118.5	2063.0
22.5°	1983.0	2001.2	2122.1	1955.7	1846.6
25°	1961.2	1999.3	2037.5	1724.8	1583.8
27.5°	1939.3	1991.2	1883.9	1472.0	1332.9
30°	1917.5	1969.3	1676.6	1241.1	1114.7
32.5°	1892.1	1922.1	1451.1	1036.5	920.1
35°	1865.7	1835.7	1237.4	851.9	741.0
37.5°	1838.4	1711.1	1045.6	690.1	619.2
40°	1805.7	1554.7	869.2	591.9	611.0
42.5°	1764.8	1378.4	713.7	621.0	753.7
45°	1712.9	1194.7	603.7	770.1	927.4
47.5°	1647.5	1018.3	576.4	881.9	931.0
50°	1568.4	856.5	633.7	845.6	841.9
52.5°	1448.4	721.9	691.9	771.0	800.1
55°	1317.4	612.8	683.7	735.5	787.4
57.5°	1152.0	539.2	627.4	728.3	788.3
60°	987.4	490.1	579.2	727.4	783.7
62.5°	805.6	445.5	554.6	710.1	743.7
65°	635.5	397.3	532.8	647.4	662.8
67.5°	487.3	348.2	494.6	577.3	608.3
70°	367.3	300.0	434.6	523.7	561.9
72.5°	264.6	254.6	372.8	476.4	516.4
75°	187.3	211.8	319.1	422.8	451.0
77.5°	129.1	172.7	273.7	363.7	386.4
80°	84.6	138.2	232.8	312.8	328.2
82.5°	50.9	110.9	201.8	273.7	281.9
85°	26.4	90.0	180.9	246.4	250.0
87.5°	8.2	75.5	169.1	233.7	238.2
90°	0.9	67.3	161.8	191.8	177.3
92.5°	0.0	63.6	140.0	130.9	117.3
95°	0.0	62.7	111.8	99.1	93.6
97.5°	0.0	60.9	91.8	82.7	80.0
100°	0.0	59.1	79.1	72.7	71.8
102.5°	0.0	58.2	71.8	66.4	65.5
105°	0.0	56.4	69.1	62.7	61.8
107.5°	0.0	53.6	67.3	60.9	59.1
110°	0.0	50.9	67.3	60.0	57.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	48.2	67.3	59.1	56.4
115°	0.0	46.4	66.4	59.1	56.4
117.5°	0.9	44.6	65.5	59.1	56.4
120°	0.0	42.7	63.6	59.1	55.5
122.5°	0.9	40.0	61.8	58.2	55.5
125°	0.9	37.3	59.1	57.3	54.6
127.5°	0.9	34.5	56.4	55.5	52.7
130°	0.9	31.8	53.6	54.6	51.8
132.5°	0.9	29.1	50.0	52.7	50.9
135°	0.9	26.4	47.3	51.8	50.0
137.5°	0.9	23.6	43.6	49.1	49.1
140°	0.9	20.9	40.0	47.3	48.2
142.5°	0.9	19.1	36.4	45.5	46.4
145°	0.9	16.4	32.7	41.8	44.6
147.5°	0.9	14.5	29.1	38.2	41.8
150°	0.9	12.7	25.5	34.5	38.2
152.5°	0.9	10.9	22.7	30.0	35.5
155°	1.8	10.0	20.0	26.4	31.8
157.5°	1.8	8.2	16.4	22.7	27.3
160°	1.8	7.3	14.5	19.1	24.5
162.5°	1.8	6.4	11.8	16.4	20.9
165°	1.8	5.5	10.0	12.7	17.3
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)