

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-LD5-52SL-SLC-UNV-L940-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-LD5-52SL-SLC-UNV-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

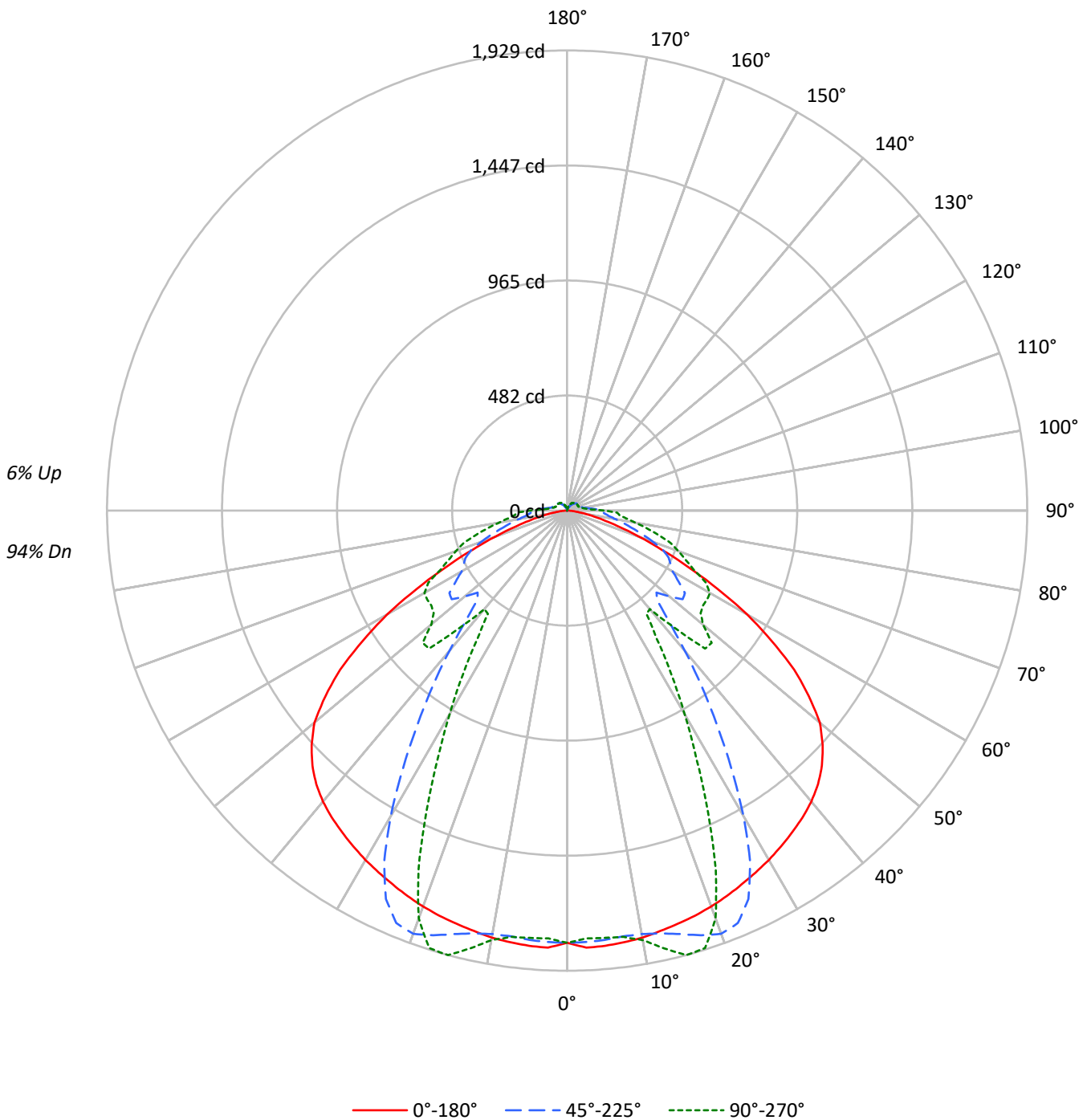
Lumens per Lamp: N/A
Luminaire Lumens: 4653.0 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14638	14638	14638
5°	14816	14295	14119
10°	14835	14077	14070
15°	14875	14275	14665
20°	15014	14700	13765
25°	15200	14128	10599
30°	15500	11833	7539
35°	15884	8962	5105
40°	16370	6515	4322
45°	16742	4726	6796
50°	16765	5233	6449
55°	15670	6023	6369
60°	13351	5511	6770
65°	10044	5558	6192
70°	7048	5059	5763
75°	4619	4238	5172
80°	2949	3632	4306
85°	1592	3452	3864



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.3	3.7
10°-20°	520.4	11.2
20°-30°	756.0	16.2
30°-40°	722.3	15.5
40°-50°	660.7	14.2
50°-60°	610.1	13.1
60°-70°	484.6	10.4
70°-80°	299.1	6.4
80°-90°	162.9	3.5
90°-100°	82.3	1.8
100°-110°	51.7	1.1
110°-120°	43.8	0.9
120°-130°	35.8	0.8
130°-140°	25.7	0.6
140°-150°	15.8	0.3
150°-160°	7.5	0.2
160°-170°	1.9	0.0
170°-180°	0.0	0.0
0°-30°	1448.7	31.1
0°-40°	2171.0	46.7
0°-60°	3441.8	74.0
0°-90°	4388.4	94.3
90°-120°	177.8	3.8
90°-150°	255.1	5.5
90°-180°	265.0	5.7
0°-180°	4653.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1811	1811	1811	1811	1811	
5°	1831	1803	1807	1797	1798	174
15°	1793	1769	1838	1906	1929	507
25°	1730	1763	1797	1521	1397	799
35°	1645	1619	1091	751	654	1032
45°	1511	1054	532	679	818	1161
55°	1162	540	603	649	694	1023
65°	560	350	470	571	584	567
75°	165	187	281	373	398	187
85°	23	79	160	217	220	30
90°	1	59	143	169	156	1
95°	0	55	99	87	83	0
105°	0	50	61	55	54	0
115°	0	41	58	52	50	0
125°	1	33	52	50	48	1
135°	1	23	42	46	44	1
145°	1	14	29	37	39	1
155°	2	9	18	23	28	1
165°	2	5	9	11	15	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-52SL-SLC-UNV-L940-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1811.4	1811.4	1811.4	1811.4	1811.4
2.5°	1833.8	1807.4	1810.6	1805.0	1795.3
5°	1831.4	1803.3	1806.6	1796.9	1797.7
7.5°	1825.0	1796.1	1800.1	1798.5	1802.5
10°	1817.8	1787.3	1802.5	1816.2	1828.2
12.5°	1805.0	1777.7	1814.6	1854.7	1879.5
15°	1792.9	1768.9	1837.8	1906.0	1929.2
17.5°	1780.9	1765.7	1866.7	1926.0	1922.8
20°	1765.7	1764.1	1888.3	1868.3	1819.4
22.5°	1748.8	1764.9	1871.5	1724.8	1628.5
25°	1729.6	1763.3	1796.9	1521.1	1396.8
27.5°	1710.3	1756.0	1661.4	1298.2	1175.5
30°	1691.1	1736.8	1478.6	1094.5	983.1
32.5°	1668.6	1695.1	1279.7	914.1	811.5
35°	1645.4	1618.9	1091.3	751.3	653.5
37.5°	1621.3	1509.1	922.1	608.6	546.1
40°	1592.5	1371.2	766.6	522.0	538.8
42.5°	1556.4	1215.6	629.4	547.7	664.7
45°	1510.7	1053.6	532.4	679.2	817.9
47.5°	1452.9	898.1	508.4	777.8	821.1
50°	1383.2	755.3	558.9	745.7	742.5
52.5°	1277.3	636.7	610.2	680.0	705.6
55°	1161.9	540.4	603.0	648.7	694.4
57.5°	1015.9	475.5	553.3	642.3	695.2
60°	870.8	432.2	510.8	641.5	691.2
62.5°	710.4	392.9	489.1	626.2	655.9
65°	560.5	350.4	469.9	570.9	584.5
67.5°	429.8	307.1	436.2	509.2	536.4
70°	323.9	264.6	383.3	461.9	495.5
72.5°	233.3	224.5	328.8	420.2	455.4
75°	165.2	186.8	281.4	372.9	397.7
77.5°	113.9	152.4	241.4	320.7	340.8
80°	74.6	121.9	205.3	275.8	289.5
82.5°	44.9	97.8	178.0	241.4	248.6
85°	23.3	79.4	159.6	217.3	220.5
87.5°	7.2	66.6	149.1	206.1	210.1
90°	0.8	59.3	142.7	169.2	156.4
92.5°	0.0	56.1	123.5	115.5	103.4
95°	0.0	55.3	98.6	87.4	82.6
97.5°	0.0	53.7	81.0	73.0	70.6
100°	0.0	52.1	69.8	64.1	63.3
102.5°	0.0	51.3	63.3	58.5	57.7
105°	0.0	49.7	60.9	55.3	54.5
107.5°	0.0	47.3	59.3	53.7	52.1
110°	0.0	44.9	59.3	52.9	50.5



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-52SL-SLC-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	42.5	59.3	52.1	49.7
115°	0.0	40.9	58.5	52.1	49.7
117.5°	0.8	39.3	57.7	52.1	49.7
120°	0.0	37.7	56.1	52.1	48.9
122.5°	0.8	35.3	54.5	51.3	48.9
125°	0.8	32.9	52.1	50.5	48.1
127.5°	0.8	30.5	49.7	48.9	46.5
130°	0.8	28.1	47.3	48.1	45.7
132.5°	0.8	25.7	44.1	46.5	44.9
135°	0.8	23.3	41.7	45.7	44.1
137.5°	0.8	20.8	38.5	43.3	43.3
140°	0.8	18.4	35.3	41.7	42.5
142.5°	0.8	16.8	32.1	40.1	40.9
145°	0.8	14.4	28.9	36.9	39.3
147.5°	0.8	12.8	25.7	33.7	36.9
150°	0.8	11.2	22.5	30.5	33.7
152.5°	0.8	9.6	20.0	26.5	31.3
155°	1.6	8.8	17.6	23.3	28.1
157.5°	1.6	7.2	14.4	20.0	24.1
160°	1.6	6.4	12.8	16.8	21.6
162.5°	1.6	5.6	10.4	14.4	18.4
165°	1.6	4.8	8.8	11.2	15.2
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)