

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: **8SNLED-LD5-130HL-SLW-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 (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-130HL-SLW-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

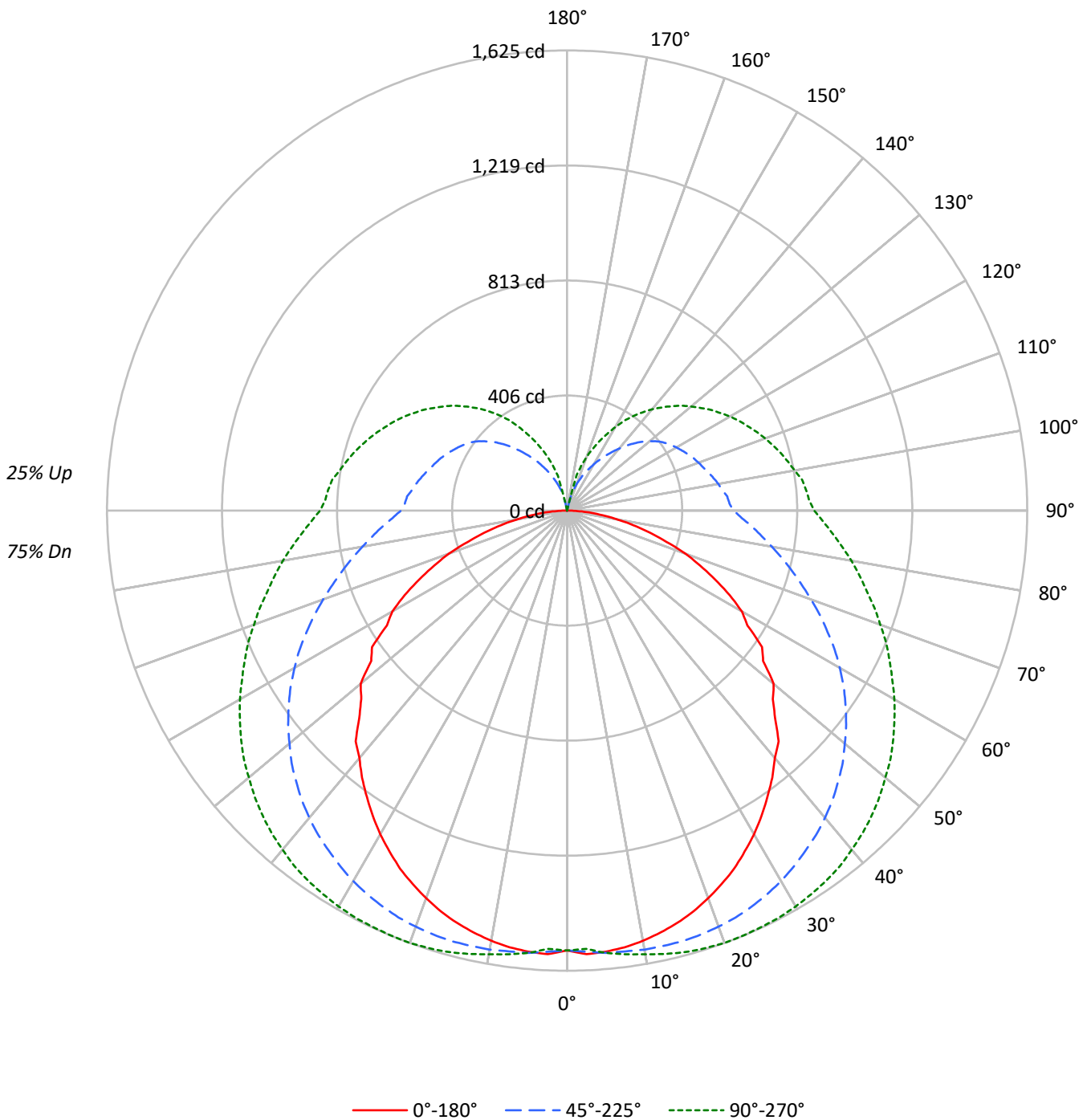
Lumens per Lamp: N/A
Luminaire Lumens: 8944.0 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 86
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	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6276	6276	6276
5°	6334	6209	6157
10°	6312	6158	6122
15°	6277	6131	6135
20°	6227	6109	6146
25°	6176	6092	6156
30°	6103	6080	6189
35°	6019	6062	6231
40°	5941	6064	6272
45°	5841	6059	6322
50°	5875	6051	6371
55°	5793	6061	6448
60°	5606	6075	6536
65°	5327	6093	6657
70°	5024	6152	6845
75°	4464	6314	7120
80°	3862	6646	7580
85°	3060	7307	8251



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.3	1.7
10°-20°	442.5	4.9
20°-30°	703.2	7.9
30°-40°	902.6	10.1
40°-50°	1019.2	11.4
50°-60°	1039.9	11.6
60°-70°	963.4	10.8
70°-80°	815.7	9.1
80°-90°	651.1	7.3
90°-100°	552.9	6.2
100°-110°	492.6	5.5
110°-120°	419.6	4.7
120°-130°	333.2	3.7
130°-140°	236.4	2.6
140°-150°	141.1	1.6
150°-160°	65.8	0.7
160°-170°	15.6	0.2
170°-180°	0.0	0.0
0°-30°	1295.0	14.5
0°-40°	2197.5	24.6
0°-60°	4256.7	47.6
0°-90°	6686.9	74.8
90°-120°	1465.0	16.4
90°-150°	2175.8	24.3
90°-180°	2257.0	25.2
0°-180°	8944.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1553	1553	1553	1553	1553	
5°	1564	1551	1568	1568	1568	149
15°	1507	1520	1574	1604	1614	425
25°	1396	1442	1543	1597	1622	643
35°	1234	1324	1467	1557	1595	772
45°	1038	1179	1354	1471	1522	806
55°	841	982	1200	1347	1406	738
65°	576	767	1015	1190	1257	571
75°	303	536	822	1024	1095	322
85°	78	345	656	868	942	85
90°	4	282	586	799	872	6
95°	0	265	568	776	847	0
105°	0	244	517	712	782	0
115°	0	227	471	641	704	0
125°	0	196	418	565	620	0
135°	0	145	336	477	521	0
145°	0	95	235	357	408	1
155°	2	59	145	219	271	1
165°	2	32	65	90	128	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°	1553.2	1553.2	1553.2	1553.2	1553.2
2.5°	1567.9	1551.1	1559.5	1557.4	1548.9
5°	1563.7	1551.1	1567.9	1567.9	1567.9
7.5°	1555.3	1546.8	1570.0	1578.4	1580.5
10°	1542.6	1542.6	1574.2	1586.8	1591.0
12.5°	1525.8	1532.1	1574.2	1593.1	1603.6
15°	1506.9	1519.5	1574.2	1603.6	1614.1
17.5°	1483.8	1504.8	1570.0	1605.7	1620.4
20°	1456.5	1488.0	1563.7	1605.7	1624.6
22.5°	1427.1	1467.0	1555.3	1601.5	1624.6
25°	1395.5	1441.8	1542.6	1597.3	1622.5
27.5°	1357.7	1416.5	1527.9	1591.0	1620.4
30°	1319.9	1387.1	1511.1	1582.6	1614.1
32.5°	1277.8	1355.6	1490.1	1570.0	1605.7
35°	1233.7	1324.1	1467.0	1557.4	1595.2
37.5°	1189.6	1286.2	1443.9	1540.5	1582.6
40°	1141.2	1248.4	1416.5	1519.5	1563.7
42.5°	1105.5	1208.5	1387.1	1498.5	1544.7
45°	1038.2	1179.1	1353.5	1471.2	1521.6
47.5°	985.7	1122.3	1319.9	1443.9	1496.4
50°	952.1	1076.1	1279.9	1412.3	1467.0
52.5°	872.2	1044.5	1242.1	1380.8	1439.7
55°	840.7	981.5	1200.1	1347.2	1406.0
57.5°	754.5	937.4	1158.0	1309.4	1370.3
60°	712.5	876.4	1111.8	1271.5	1334.6
62.5°	647.3	823.9	1065.6	1229.5	1294.6
65°	575.9	767.1	1015.1	1189.6	1256.8
67.5°	508.6	710.4	966.8	1147.5	1219.0
70°	443.5	651.5	916.3	1105.5	1176.9
72.5°	367.8	592.7	868.0	1065.6	1137.0
75°	302.6	535.9	821.8	1023.5	1095.0
77.5°	239.6	481.3	777.6	985.7	1057.2
80°	180.7	428.7	733.5	945.8	1019.3
82.5°	126.1	384.6	693.6	907.9	979.4
85°	77.8	344.7	655.7	868.0	941.6
87.5°	35.7	308.9	617.9	830.2	905.8
90°	4.2	281.6	586.4	798.6	872.2
92.5°	2.1	273.2	573.8	783.9	855.4
95°	0.0	264.8	567.5	775.5	847.0
97.5°	0.0	256.4	552.7	762.9	836.5
100°	0.0	252.2	542.2	744.0	815.5
102.5°	0.0	245.9	529.6	727.2	798.6
105°	0.0	243.8	517.0	712.5	781.8
107.5°	0.0	239.6	504.4	693.6	762.9
110°	0.0	235.4	493.9	676.7	744.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	231.2	483.4	659.9	725.1
115°	0.0	227.0	470.8	641.0	704.1
117.5°	0.0	220.7	458.2	622.1	685.2
120°	0.0	212.3	445.6	605.3	664.1
122.5°	0.0	203.9	432.9	584.3	641.0
125°	0.0	195.5	418.2	565.4	620.0
127.5°	0.0	182.8	401.4	544.3	594.8
130°	0.0	170.2	380.4	523.3	571.7
132.5°	2.1	157.6	359.4	500.2	548.5
135°	0.0	145.0	336.3	477.1	521.2
137.5°	0.0	134.5	311.1	451.9	493.9
140°	0.0	121.9	285.8	422.4	466.6
142.5°	0.0	107.2	260.6	390.9	437.2
145°	0.0	94.6	235.4	357.3	407.7
147.5°	2.1	84.1	212.3	321.6	376.2
150°	2.1	75.7	189.2	285.8	340.5
152.5°	2.1	67.3	166.0	252.2	304.7
155°	2.1	58.8	145.0	218.6	271.1
157.5°	2.1	50.4	121.9	184.9	235.4
160°	2.1	44.1	100.9	155.5	201.8
162.5°	2.1	37.8	82.0	121.9	166.0
165°	2.1	31.5	65.2	90.4	128.2
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)