

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-LD5-92HL-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-LD5-92HL-SLC-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

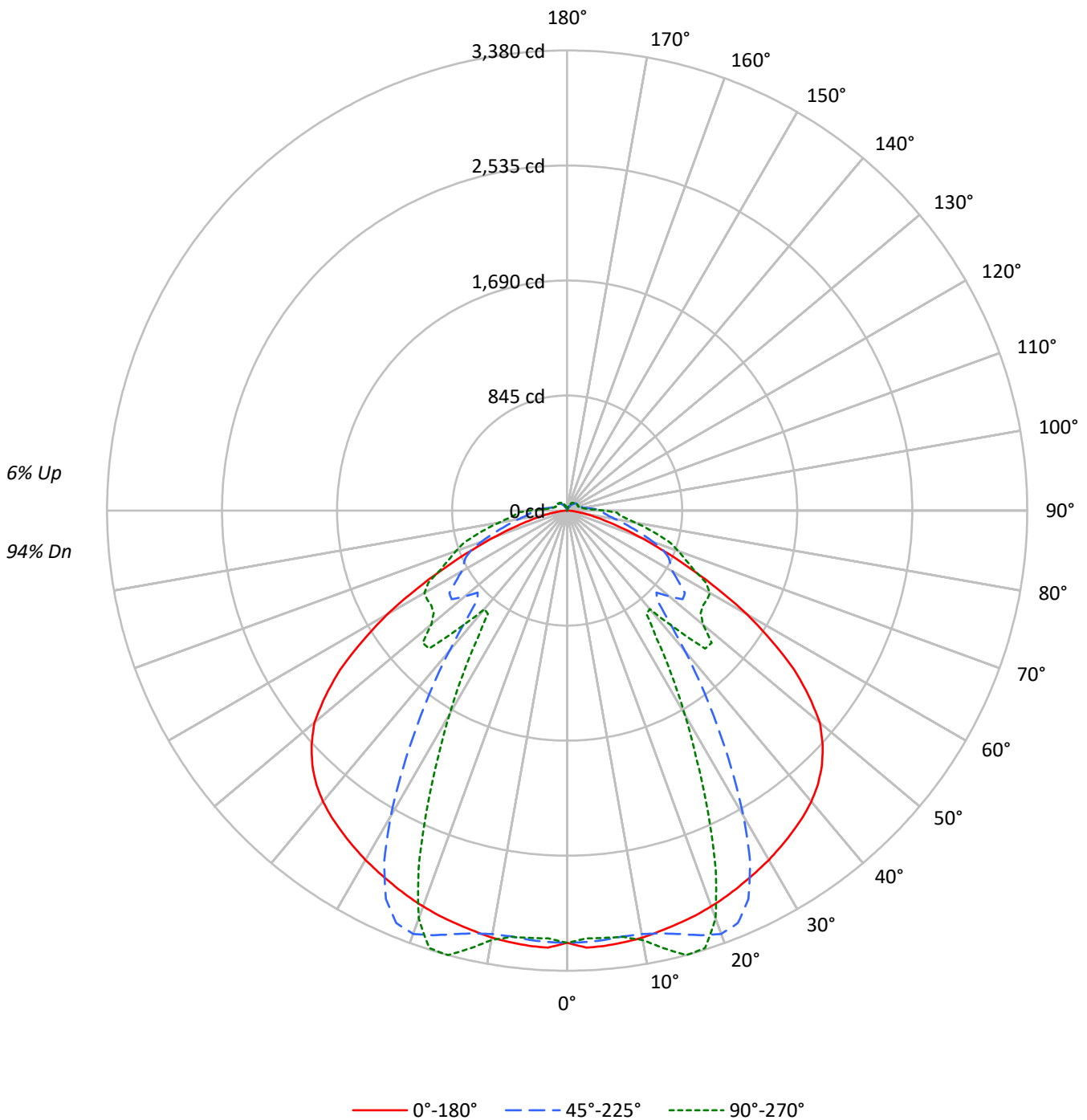
Lumens per Lamp: N/A
Luminaire Lumens: 8153.0 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 79
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°	25648	25648	25648
5°	25960	25048	24740
10°	25993	24666	24654
15°	26065	25013	25696
20°	26306	25759	24119
25°	26634	24755	18572
30°	27159	20733	13210
35°	27833	15703	8945
40°	28683	11415	7575
45°	29334	8281	11908
50°	29375	9170	11301
55°	27457	10553	11159
60°	23394	9656	11862
65°	17600	9738	10850
70°	12350	8865	10100
75°	8092	7428	9063
80°	5167	6363	7544
85°	2781	6048	6772



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.9	3.7
10°-20°	911.9	11.2
20°-30°	1324.7	16.2
30°-40°	1265.6	15.5
40°-50°	1157.7	14.2
50°-60°	1069.0	13.1
60°-70°	849.1	10.4
70°-80°	524.1	6.4
80°-90°	285.4	3.5
90°-100°	144.2	1.8
100°-110°	90.6	1.1
110°-120°	76.8	0.9
120°-130°	62.7	0.8
130°-140°	45.0	0.6
140°-150°	27.7	0.3
150°-160°	13.2	0.2
160°-170°	3.4	0.0
170°-180°	0.0	0.0
0°-30°	2538.5	31.1
0°-40°	3804.1	46.7
0°-60°	6030.8	74.0
0°-90°	7689.3	94.3
90°-120°	311.6	3.8
90°-150°	447.1	5.5
90°-180°	464.0	5.7
0°-180°	8153.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3174	3174	3174	3174	3174	
5°	3209	3160	3166	3149	3150	305
15°	3142	3099	3220	3340	3380	889
25°	3031	3090	3149	2665	2448	1401
35°	2883	2837	1912	1316	1145	1808
45°	2647	1846	933	1190	1433	2034
55°	2036	947	1057	1137	1217	1793
65°	982	614	823	1000	1024	993
75°	289	327	493	653	697	328
85°	41	139	280	381	386	52
90°	1	104	250	296	274	2
95°	0	97	173	153	145	0
105°	0	87	107	97	96	0
115°	0	72	103	91	87	1
125°	1	58	91	88	84	1
135°	1	41	73	80	77	1
145°	1	25	51	65	69	1
155°	3	16	31	41	49	1
165°	3	8	16	20	27	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3173.9	3173.9	3173.9	3173.9	3173.9
2.5°	3213.2	3166.9	3172.5	3162.6	3145.8
5°	3209.0	3159.8	3165.5	3148.6	3150.0
7.5°	3197.8	3147.2	3154.2	3151.4	3158.4
10°	3185.1	3131.7	3158.4	3182.3	3203.4
12.5°	3162.6	3114.9	3179.5	3249.8	3293.3
15°	3141.6	3099.4	3220.2	3339.7	3380.4
17.5°	3120.5	3093.8	3270.8	3374.8	3369.2
20°	3093.8	3091.0	3308.8	3273.6	3187.9
22.5°	3064.3	3092.4	3279.3	3022.1	2853.5
25°	3030.6	3089.6	3148.6	2665.3	2447.5
27.5°	2996.9	3076.9	2911.2	2274.7	2059.7
30°	2963.1	3043.2	2590.8	1917.8	1722.5
32.5°	2923.8	2970.2	2242.4	1601.7	1421.9
35°	2883.1	2836.7	1912.2	1316.5	1145.1
37.5°	2840.9	2644.2	1615.7	1066.4	956.8
40°	2790.3	2402.5	1343.2	914.7	944.2
42.5°	2727.1	2130.0	1102.9	959.6	1164.7
45°	2647.0	1846.2	932.9	1190.0	1433.1
47.5°	2545.9	1573.6	890.8	1362.8	1438.7
50°	2423.6	1323.5	979.3	1306.6	1301.0
52.5°	2238.2	1115.6	1069.2	1191.4	1236.4
55°	2035.8	947.0	1056.6	1136.6	1216.7
57.5°	1780.1	833.2	969.4	1125.4	1218.1
60°	1525.8	757.3	895.0	1124.0	1211.1
62.5°	1244.8	688.4	857.0	1097.3	1149.3
65°	982.1	614.0	823.3	1000.4	1024.2
67.5°	753.1	538.1	764.3	892.2	939.9
70°	567.6	463.6	671.6	809.3	868.3
72.5°	408.9	393.4	576.0	736.2	798.0
75°	289.4	327.4	493.2	653.3	696.9
77.5°	199.5	266.9	422.9	562.0	597.1
80°	130.7	213.6	359.7	483.3	507.2
82.5°	78.7	171.4	311.9	422.9	435.5
85°	40.7	139.1	279.6	380.8	386.4
87.5°	12.6	116.6	261.3	361.1	368.1
90°	1.4	104.0	250.1	296.5	274.0
92.5°	0.0	98.3	216.4	202.3	181.2
95°	0.0	96.9	172.8	153.1	144.7
97.5°	0.0	94.1	141.9	127.9	123.6
100°	0.0	91.3	122.2	112.4	111.0
102.5°	0.0	89.9	111.0	102.6	101.2
105°	0.0	87.1	106.8	96.9	95.5
107.5°	0.0	82.9	104.0	94.1	91.3
110°	0.0	78.7	104.0	92.7	88.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	74.5	104.0	91.3	87.1
115°	0.0	71.7	102.6	91.3	87.1
117.5°	1.4	68.8	101.2	91.3	87.1
120°	0.0	66.0	98.3	91.3	85.7
122.5°	1.4	61.8	95.5	89.9	85.7
125°	1.4	57.6	91.3	88.5	84.3
127.5°	1.4	53.4	87.1	85.7	81.5
130°	1.4	49.2	82.9	84.3	80.1
132.5°	1.4	45.0	77.3	81.5	78.7
135°	1.4	40.7	73.1	80.1	77.3
137.5°	1.4	36.5	67.4	75.9	75.9
140°	1.4	32.3	61.8	73.1	74.5
142.5°	1.4	29.5	56.2	70.2	71.7
145°	1.4	25.3	50.6	64.6	68.8
147.5°	1.4	22.5	45.0	59.0	64.6
150°	1.4	19.7	39.3	53.4	59.0
152.5°	1.4	16.9	35.1	46.4	54.8
155°	2.8	15.5	30.9	40.7	49.2
157.5°	2.8	12.6	25.3	35.1	42.1
160°	2.8	11.2	22.5	29.5	37.9
162.5°	2.8	9.8	18.3	25.3	32.3
165°	2.8	8.4	15.5	19.7	26.7
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)