

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-LD5-200HL-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: 8SNLED-LD5-200HL-SLC-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

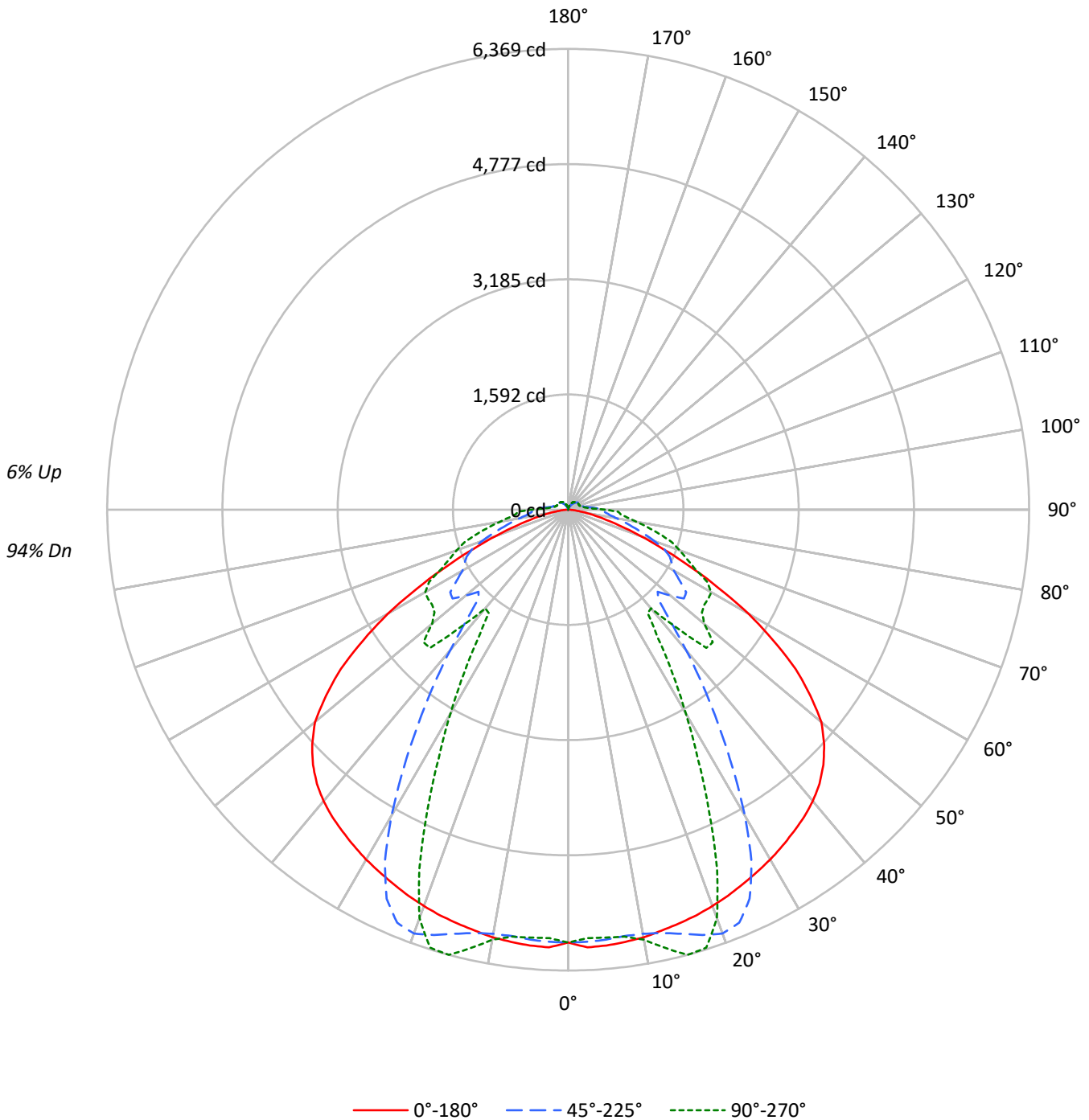
Lumens per Lamp: N/A
Luminaire Lumens: 15361.0 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 158
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	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	63	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°	24162	24162	24162
5°	24489	23618	23306
10°	24554	23280	23225
15°	24656	23629	24207
20°	24922	24354	22722
25°	25272	23427	17496
30°	25814	19639	12445
35°	26503	14889	8427
40°	27370	10835	7135
45°	28059	7868	11218
50°	28179	8724	10646
55°	26430	10053	10513
60°	22619	9214	11174
65°	17117	9310	10222
70°	12114	8495	9514
75°	8044	7139	8537
80°	5262	6141	7107
85°	3021	5870	6379



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	568.9	3.7
10°-20°	1718.1	11.2
20°-30°	2495.8	16.2
30°-40°	2384.6	15.5
40°-50°	2181.2	14.2
50°-60°	2014.0	13.1
60°-70°	1599.8	10.4
70°-80°	987.4	6.4
80°-90°	537.7	3.5
90°-100°	271.8	1.8
100°-110°	170.8	1.1
110°-120°	144.7	0.9
120°-130°	118.1	0.8
130°-140°	84.8	0.6
140°-150°	52.3	0.3
150°-160°	24.8	0.2
160°-170°	6.4	0.0
170°-180°	0.0	0.0
0°-30°	4782.7	31.1
0°-40°	7167.3	46.7
0°-60°	11362.6	74.0
0°-90°	14487.4	94.3
90°-120°	587.2	3.8
90°-150°	842.3	5.5
90°-180°	874.0	5.7
0°-180°	15361.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5980	5980	5980	5980	5980	
5°	6046	5953	5964	5932	5935	575
15°	5919	5840	6067	6292	6369	1675
25°	5710	5821	5932	5022	4611	2639
35°	5432	5345	3603	2480	2157	3406
45°	4987	3478	1758	2242	2700	3833
55°	3836	1784	1991	2142	2292	3378
65°	1850	1157	1551	1885	1930	1871
75°	545	617	929	1231	1313	618
85°	77	262	527	717	728	98
90°	3	196	471	558	516	4
95°	0	183	326	288	273	0
105°	0	164	201	183	180	0
115°	0	135	193	172	164	1
125°	3	108	172	167	159	2
135°	3	77	138	151	146	2
145°	3	48	95	122	130	2
155°	5	29	58	77	93	2
165°	5	16	29	37	50	1
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°	5979.9	5979.9	5979.9	5979.9	5979.9
2.5°	6054.0	5966.7	5977.2	5958.7	5926.9
5°	6046.1	5953.4	5964.0	5932.2	5934.9
7.5°	6024.9	5929.6	5942.8	5937.5	5950.8
10°	6001.1	5900.5	5950.8	5995.8	6035.5
12.5°	5958.7	5868.7	5990.5	6122.8	6204.9
15°	5919.0	5839.6	6067.2	6292.3	6369.0
17.5°	5879.3	5829.0	6162.5	6358.4	6347.8
20°	5829.0	5823.7	6234.0	6167.8	6006.4
22.5°	5773.4	5826.4	6178.4	5694.0	5376.3
25°	5709.9	5821.1	5932.2	5021.6	4611.3
27.5°	5646.4	5797.2	5484.9	4285.7	3880.7
30°	5582.8	5733.7	4881.3	3613.3	3245.4
32.5°	5508.7	5596.1	4224.8	3017.7	2678.9
35°	5431.9	5344.6	3602.8	2480.4	2157.4
37.5°	5352.5	4981.9	3044.2	2009.2	1802.7
40°	5257.2	4526.6	2530.7	1723.3	1778.9
42.5°	5138.1	4013.1	2078.0	1808.0	2194.5
45°	4987.2	3478.3	1757.7	2242.1	2700.1
47.5°	4796.6	2964.8	1678.3	2567.7	2710.7
50°	4566.3	2493.6	1845.1	2461.8	2451.3
52.5°	4216.9	2101.8	2014.5	2244.8	2329.5
55°	3835.7	1784.2	1990.6	2141.5	2292.4
57.5°	3353.9	1569.8	1826.5	2120.4	2295.1
60°	2874.8	1426.8	1686.2	2117.7	2281.8
62.5°	2345.4	1297.1	1614.8	2067.4	2165.4
65°	1850.4	1156.8	1551.2	1884.8	1929.8
67.5°	1418.9	1013.9	1440.0	1680.9	1770.9
70°	1069.4	873.6	1265.3	1524.8	1635.9
72.5°	770.3	741.2	1085.3	1387.1	1503.6
75°	545.3	616.8	929.1	1230.9	1313.0
77.5°	375.9	503.0	796.8	1058.9	1125.0
80°	246.2	402.4	677.7	910.6	955.6
82.5°	148.2	323.0	587.7	796.8	820.6
85°	76.8	262.1	526.8	717.4	728.0
87.5°	23.8	219.7	492.4	680.3	693.6
90°	2.6	195.9	471.2	558.5	516.2
92.5°	0.0	185.3	407.7	381.2	341.5
95°	0.0	182.7	325.6	288.5	272.7
97.5°	0.0	177.4	267.4	240.9	232.9
100°	0.0	172.1	230.3	211.8	209.1
102.5°	0.0	169.4	209.1	193.2	190.6
105°	0.0	164.1	201.2	182.7	180.0
107.5°	0.0	156.2	195.9	177.4	172.1
110°	0.0	148.2	195.9	174.7	166.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	140.3	195.9	172.1	164.1
115°	0.0	135.0	193.2	172.1	164.1
117.5°	2.6	129.7	190.6	172.1	164.1
120°	0.0	124.4	185.3	172.1	161.5
122.5°	2.6	116.5	180.0	169.4	161.5
125°	2.6	108.5	172.1	166.8	158.8
127.5°	2.6	100.6	164.1	161.5	153.5
130°	2.6	92.6	156.2	158.8	150.9
132.5°	2.6	84.7	145.6	153.5	148.2
135°	2.6	76.8	137.7	150.9	145.6
137.5°	2.6	68.8	127.1	142.9	142.9
140°	2.6	60.9	116.5	137.7	140.3
142.5°	2.6	55.6	105.9	132.4	135.0
145°	2.6	47.6	95.3	121.8	129.7
147.5°	2.6	42.4	84.7	111.2	121.8
150°	2.6	37.1	74.1	100.6	111.2
152.5°	2.6	31.8	66.2	87.4	103.2
155°	5.3	29.1	58.2	76.8	92.6
157.5°	5.3	23.8	47.6	66.2	79.4
160°	5.3	21.2	42.4	55.6	71.5
162.5°	5.3	18.5	34.4	47.6	60.9
165°	5.3	15.9	29.1	37.1	50.3
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)