

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-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: 8SNLED-LD5-200HL-SLC-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

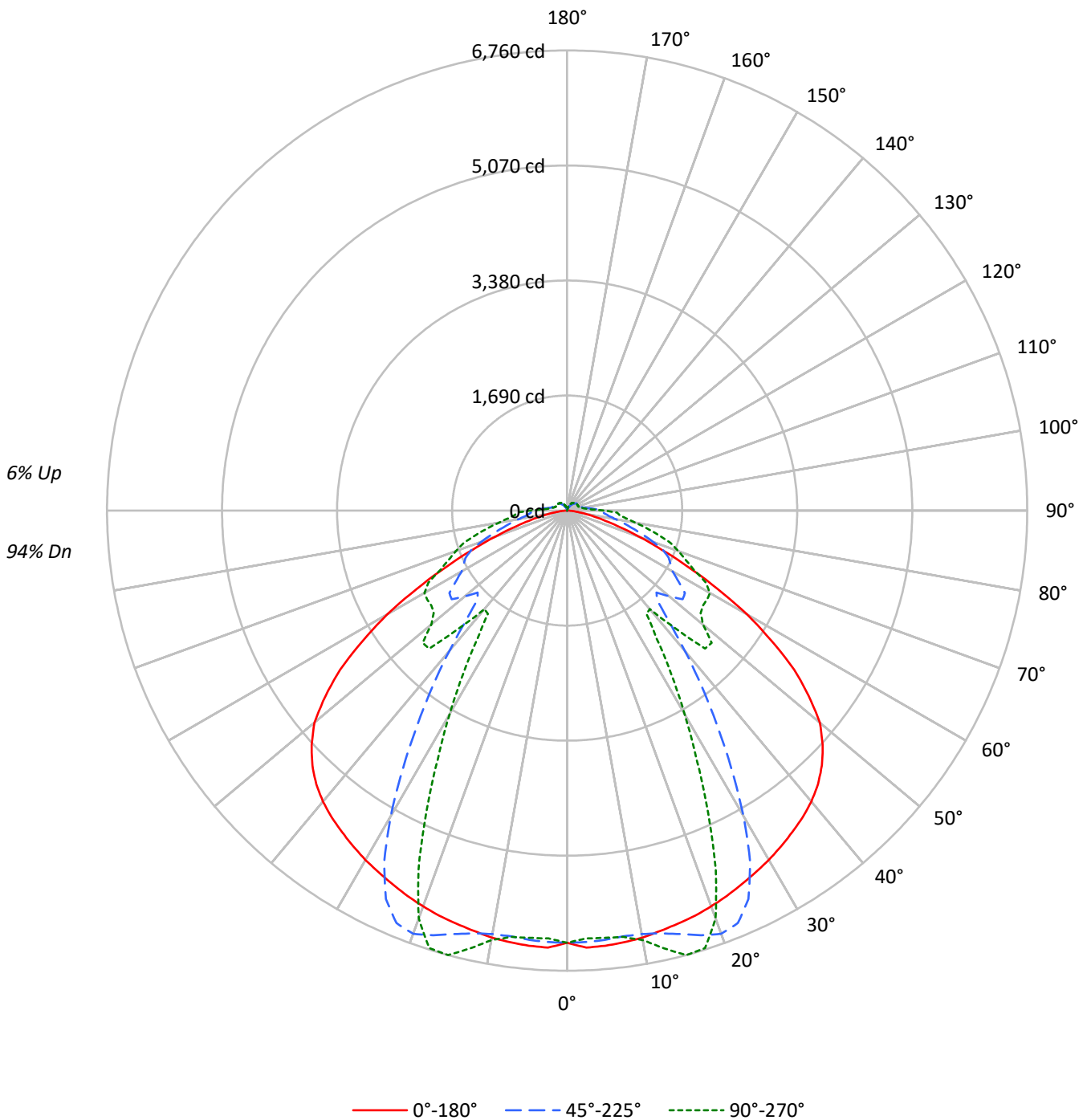
Lumens per Lamp: N/A
Luminaire Lumens: 16305.0 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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°	25647	25647	25647
5°	25994	25070	24738
10°	26063	24711	24653
15°	26172	25081	25695
20°	26453	25851	24118
25°	26825	24867	18571
30°	27401	20846	13209
35°	28132	15804	8945
40°	29052	11500	7574
45°	29784	8352	11907
50°	29910	9259	11300
55°	28055	10671	11159
60°	24009	9781	11861
65°	18169	9883	10850
70°	12859	9017	10099
75°	8538	7577	9062
80°	5585	6518	7543
85°	3206	6232	6771



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	603.8	3.7
10°-20°	1823.6	11.2
20°-30°	2649.1	16.2
30°-40°	2531.1	15.5
40°-50°	2315.3	14.2
50°-60°	2137.8	13.1
60°-70°	1698.1	10.4
70°-80°	1048.1	6.4
80°-90°	570.7	3.5
90°-100°	288.5	1.8
100°-110°	181.2	1.1
110°-120°	153.5	0.9
120°-130°	125.4	0.8
130°-140°	90.0	0.6
140°-150°	55.5	0.3
150°-160°	26.3	0.2
160°-170°	6.8	0.0
170°-180°	0.0	0.0
0°-30°	5076.6	31.1
0°-40°	7607.8	46.7
0°-60°	12060.8	74.0
0°-90°	15377.7	94.3
90°-120°	623.2	3.8
90°-150°	894.1	5.5
90°-180°	927.0	5.7
0°-180°	16305.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6347	6347	6347	6347	6347	
5°	6418	6319	6330	6297	6300	611
15°	6283	6198	6440	6679	6760	1778
25°	6061	6179	6297	5330	4895	2801
35°	5766	5673	3824	2633	2290	3615
45°	5294	3692	1866	2380	2866	4068
55°	4071	1894	2113	2273	2433	3586
65°	1964	1228	1647	2001	2048	1986
75°	579	655	986	1307	1394	656
85°	82	278	559	762	773	104
90°	3	208	500	593	548	4
95°	0	194	346	306	289	0
105°	0	174	214	194	191	0
115°	0	143	205	183	174	1
125°	3	115	183	177	169	2
135°	3	82	146	160	154	2
145°	3	51	101	129	138	2
155°	6	31	62	82	98	2
165°	6	17	31	39	53	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6347.4	6347.4	6347.4	6347.4	6347.4
2.5°	6426.1	6333.3	6344.6	6324.9	6291.2
5°	6417.6	6319.3	6330.5	6296.8	6299.6
7.5°	6395.1	6294.0	6308.0	6302.4	6316.5
10°	6369.9	6263.1	6316.5	6364.2	6406.4
12.5°	6324.9	6229.4	6358.6	6499.1	6586.2
15°	6282.8	6198.5	6440.1	6678.9	6760.4
17.5°	6240.6	6187.2	6541.3	6749.2	6737.9
20°	6187.2	6181.6	6617.1	6546.9	6375.5
22.5°	6128.2	6184.4	6558.1	6043.9	5706.7
25°	6060.8	6178.8	6296.8	5330.2	4894.7
27.5°	5993.3	6153.5	5821.9	4549.1	4119.2
30°	5925.9	6086.1	5181.3	3835.4	3444.8
32.5°	5847.2	5940.0	4484.5	3203.2	2843.5
35°	5765.7	5673.0	3824.2	2632.8	2290.0
37.5°	5681.5	5288.1	3231.3	2132.7	1913.5
40°	5580.3	4804.8	2686.2	1829.2	1888.2
42.5°	5453.9	4259.7	2205.7	1919.1	2329.3
45°	5293.7	3692.1	1865.7	2379.9	2866.0
47.5°	5091.4	3147.0	1781.4	2725.5	2877.3
50°	4846.9	2646.8	1958.4	2613.1	2601.9
52.5°	4476.0	2231.0	2138.3	2382.7	2472.6
55°	4071.4	1893.8	2113.0	2273.1	2433.3
57.5°	3560.0	1666.2	1938.8	2250.7	2436.1
60°	3051.5	1514.5	1789.9	2247.9	2422.1
62.5°	2489.5	1376.8	1714.0	2194.5	2298.4
65°	1964.1	1227.9	1646.6	2000.6	2048.4
67.5°	1506.1	1076.2	1528.5	1784.2	1879.8
70°	1135.2	927.2	1343.1	1618.5	1736.5
72.5°	817.7	786.7	1152.0	1472.3	1596.0
75°	578.8	654.7	986.2	1306.6	1393.7
77.5°	399.0	533.9	845.8	1123.9	1194.2
80°	261.3	427.1	719.3	966.6	1014.3
82.5°	157.3	342.8	623.8	845.8	871.0
85°	81.5	278.2	559.2	761.5	772.7
87.5°	25.3	233.2	522.6	722.1	736.2
90°	2.8	207.9	500.1	592.9	547.9
92.5°	0.0	196.7	432.7	404.6	362.5
95°	0.0	193.9	345.6	306.3	289.4
97.5°	0.0	188.3	283.8	255.7	247.3
100°	0.0	182.6	244.5	224.8	222.0
102.5°	0.0	179.8	222.0	205.1	202.3
105°	0.0	174.2	213.5	193.9	191.1
107.5°	0.0	165.8	207.9	188.3	182.6
110°	0.0	157.3	207.9	185.4	177.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	148.9	207.9	182.6	174.2
115°	0.0	143.3	205.1	182.6	174.2
117.5°	2.8	137.7	202.3	182.6	174.2
120°	0.0	132.1	196.7	182.6	171.4
122.5°	2.8	123.6	191.1	179.8	171.4
125°	2.8	115.2	182.6	177.0	168.6
127.5°	2.8	106.8	174.2	171.4	163.0
130°	2.8	98.3	165.8	168.6	160.2
132.5°	2.8	89.9	154.5	163.0	157.3
135°	2.8	81.5	146.1	160.2	154.5
137.5°	2.8	73.1	134.9	151.7	151.7
140°	2.8	64.6	123.6	146.1	148.9
142.5°	2.8	59.0	112.4	140.5	143.3
145°	2.8	50.6	101.2	129.3	137.7
147.5°	2.8	45.0	89.9	118.0	129.3
150°	2.8	39.3	78.7	106.8	118.0
152.5°	2.8	33.7	70.2	92.7	109.6
155°	5.6	30.9	61.8	81.5	98.3
157.5°	5.6	25.3	50.6	70.2	84.3
160°	5.6	22.5	45.0	59.0	75.9
162.5°	5.6	19.7	36.5	50.6	64.6
165°	5.6	16.9	30.9	39.3	53.4
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)