

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-LD5-76HL-SLC-UNV-L950-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-LD5-76HL-SLC-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

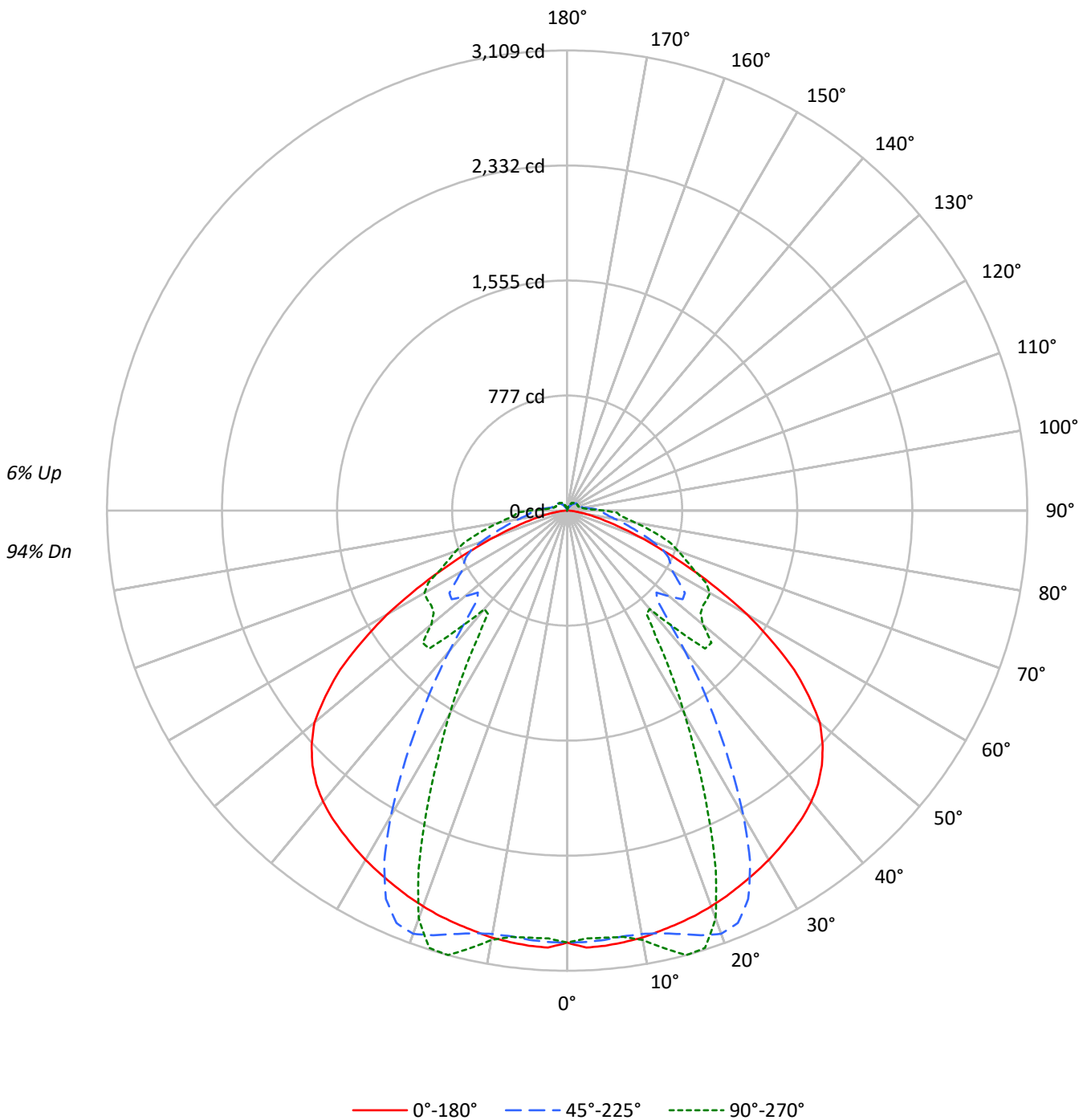
Lumens per Lamp: N/A
Luminaire Lumens: 7498.0 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 62
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°	23588	23588	23588
5°	23875	23035	22752
10°	23904	22685	22673
15°	23971	23004	23632
20°	24193	23689	22182
25°	24494	22766	17080
30°	24978	19068	12149
35°	25596	14441	8227
40°	26379	10498	6966
45°	26978	7616	10952
50°	27015	8433	10393
55°	25252	9705	10263
60°	21514	8880	10909
65°	16186	8956	9979
70°	11358	8152	9288
75°	7443	6830	8335
80°	4752	5852	6938
85°	2562	5561	6227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.7	3.7
10°-20°	838.6	11.2
20°-30°	1218.2	16.2
30°-40°	1164.0	15.5
40°-50°	1064.7	14.2
50°-60°	983.1	13.1
60°-70°	780.9	10.4
70°-80°	482.0	6.4
80°-90°	262.4	3.5
90°-100°	132.7	1.8
100°-110°	83.4	1.1
110°-120°	70.6	0.9
120°-130°	57.7	0.8
130°-140°	41.4	0.6
140°-150°	25.5	0.3
150°-160°	12.1	0.2
160°-170°	3.1	0.0
170°-180°	0.0	0.0
0°-30°	2334.5	31.1
0°-40°	3498.5	46.7
0°-60°	5546.3	74.0
0°-90°	7071.6	94.3
90°-120°	286.6	3.8
90°-150°	411.2	5.5
90°-180°	426.0	5.7
0°-180°	7498.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2919	2919	2919	2919	2919	
5°	2951	2906	2911	2896	2897	281
15°	2889	2850	2962	3071	3109	818
25°	2787	2841	2896	2451	2251	1288
35°	2651	2609	1759	1211	1053	1663
45°	2434	1698	858	1094	1318	1871
55°	1872	871	972	1045	1119	1649
65°	903	565	757	920	942	913
75°	266	301	454	601	641	302
85°	38	128	257	350	355	48
90°	1	96	230	273	252	2
95°	0	89	159	141	133	0
105°	0	80	98	89	88	0
115°	0	66	94	84	80	1
125°	1	53	84	81	78	1
135°	1	38	67	74	71	1
145°	1	23	46	59	63	1
155°	3	14	28	38	45	1
165°	3	8	14	18	25	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-76HL-SLC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2918.9	2918.9	2918.9	2918.9	2918.9
2.5°	2955.1	2912.4	2917.6	2908.6	2893.1
5°	2951.2	2906.0	2911.1	2895.6	2896.9
7.5°	2940.9	2894.3	2900.8	2898.2	2904.7
10°	2929.2	2880.1	2904.7	2926.7	2946.0
12.5°	2908.6	2864.6	2924.1	2988.7	3028.7
15°	2889.2	2850.4	2961.5	3071.4	3108.8
17.5°	2869.8	2845.2	3008.1	3103.7	3098.5
20°	2845.2	2842.7	3042.9	3010.6	2931.8
22.5°	2818.1	2844.0	3015.8	2779.4	2624.3
25°	2787.1	2841.4	2895.6	2451.2	2250.9
27.5°	2756.1	2829.7	2677.3	2091.9	1894.2
30°	2725.1	2798.7	2382.7	1763.7	1584.1
32.5°	2688.9	2731.5	2062.2	1473.0	1307.6
35°	2651.4	2608.8	1758.6	1210.7	1053.1
37.5°	2612.7	2431.8	1485.9	980.7	879.9
40°	2566.2	2209.5	1235.3	841.2	868.3
42.5°	2508.0	1958.9	1014.3	882.5	1071.2
45°	2434.4	1697.8	858.0	1094.4	1318.0
47.5°	2341.3	1447.2	819.2	1253.4	1323.1
50°	2228.9	1217.2	900.6	1201.7	1196.5
52.5°	2058.3	1025.9	983.3	1095.7	1137.1
55°	1872.3	870.9	971.7	1045.3	1119.0
57.5°	1637.1	766.2	891.6	1035.0	1120.3
60°	1403.2	696.5	823.1	1033.7	1113.8
62.5°	1144.8	633.1	788.2	1009.1	1057.0
65°	903.2	564.7	757.2	920.0	942.0
67.5°	692.6	494.9	702.9	820.5	864.4
70°	522.0	426.4	617.6	744.3	798.5
72.5°	376.0	361.8	529.8	677.1	733.9
75°	266.2	301.1	453.5	600.8	640.9
77.5°	183.5	245.5	388.9	516.8	549.2
80°	120.2	196.4	330.8	444.5	466.5
82.5°	72.4	157.6	286.9	388.9	400.6
85°	37.5	127.9	257.1	350.2	355.3
87.5°	11.6	107.2	240.3	332.1	338.5
90°	1.3	95.6	230.0	272.6	252.0
92.5°	0.0	90.4	199.0	186.1	166.7
95°	0.0	89.2	158.9	140.8	133.1
97.5°	0.0	86.6	130.5	117.6	113.7
100°	0.0	84.0	112.4	103.4	102.1
102.5°	0.0	82.7	102.1	94.3	93.0
105°	0.0	80.1	98.2	89.2	87.9
107.5°	0.0	76.2	95.6	86.6	84.0
110°	0.0	72.4	95.6	85.3	81.4



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-76HL-SLC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	68.5	95.6	84.0	80.1
115°	0.0	65.9	94.3	84.0	80.1
117.5°	1.3	63.3	93.0	84.0	80.1
120°	0.0	60.7	90.4	84.0	78.8
122.5°	1.3	56.9	87.9	82.7	78.8
125°	1.3	53.0	84.0	81.4	77.5
127.5°	1.3	49.1	80.1	78.8	74.9
130°	1.3	45.2	76.2	77.5	73.7
132.5°	1.3	41.3	71.1	74.9	72.4
135°	1.3	37.5	67.2	73.7	71.1
137.5°	1.3	33.6	62.0	69.8	69.8
140°	1.3	29.7	56.9	67.2	68.5
142.5°	1.3	27.1	51.7	64.6	65.9
145°	1.3	23.3	46.5	59.4	63.3
147.5°	1.3	20.7	41.3	54.3	59.4
150°	1.3	18.1	36.2	49.1	54.3
152.5°	1.3	15.5	32.3	42.6	50.4
155°	2.6	14.2	28.4	37.5	45.2
157.5°	2.6	11.6	23.3	32.3	38.8
160°	2.6	10.3	20.7	27.1	34.9
162.5°	2.6	9.0	16.8	23.3	29.7
165°	2.6	7.8	14.2	18.1	24.6
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)