

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-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-LD5-92HL-SLC-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

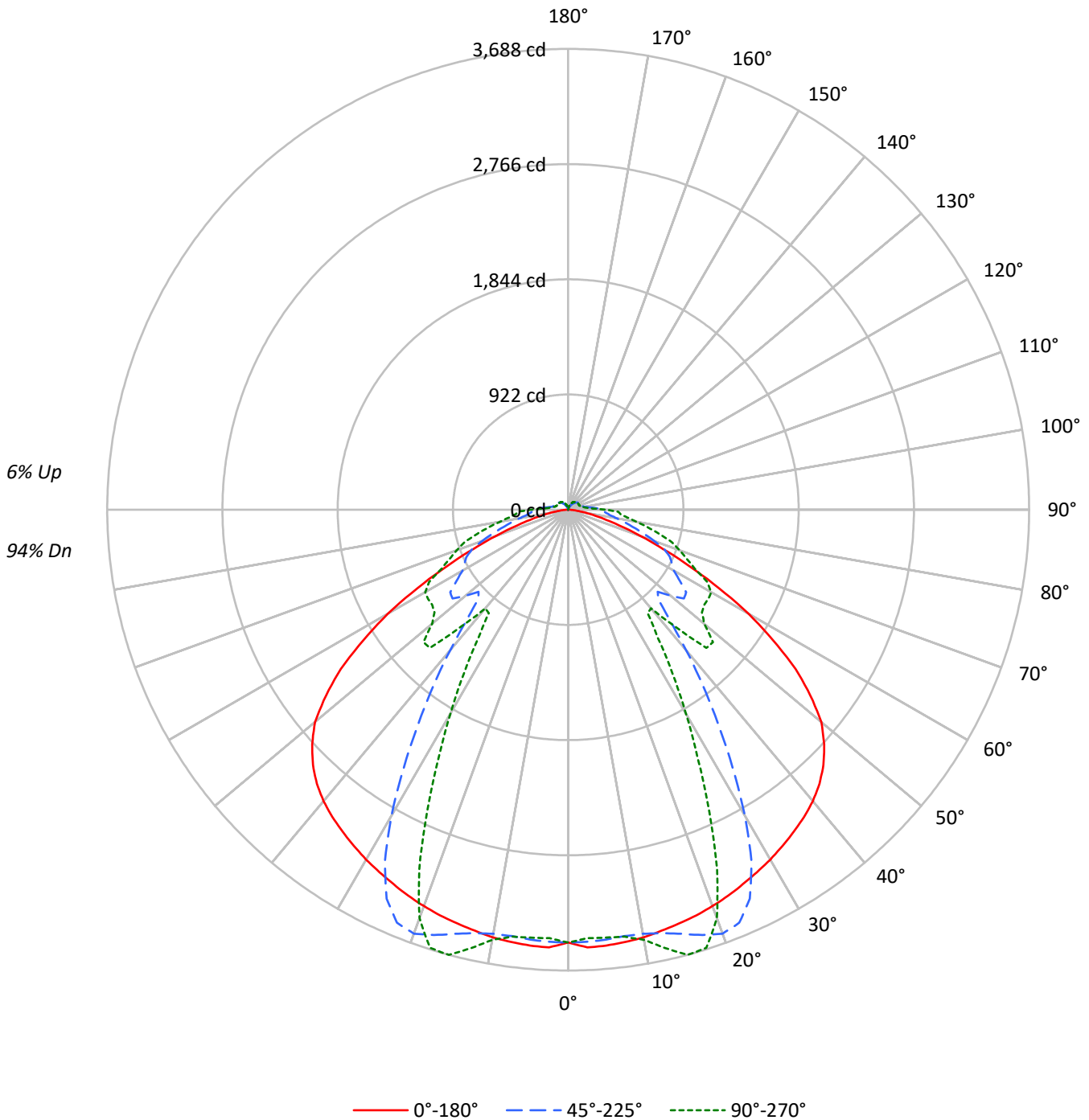
Lumens per Lamp: N/A
Luminaire Lumens: 8896.0 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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	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°	27985	27985	27985
5°	28326	27330	26995
10°	28362	26915	26901
15°	28440	27293	28038
20°	28703	28106	26318
25°	29061	27011	20264
30°	29635	22623	14414
35°	30369	17134	9760
40°	31297	12456	8264
45°	32007	9035	12993
50°	32052	10005	12331
55°	29960	11514	12177
60°	25527	10535	12943
65°	19203	10626	11839
70°	13475	9673	11020
75°	8830	8104	9889
80°	5637	6943	8231
85°	3040	6600	7389



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.5	3.7
10°-20°	995.0	11.2
20°-30°	1445.4	16.2
30°-40°	1381.0	15.5
40°-50°	1263.2	14.2
50°-60°	1166.4	13.1
60°-70°	926.5	10.4
70°-80°	571.8	6.4
80°-90°	311.4	3.5
90°-100°	157.4	1.8
100°-110°	98.9	1.1
110°-120°	83.8	0.9
120°-130°	68.4	0.8
130°-140°	49.1	0.6
140°-150°	30.3	0.3
150°-160°	14.4	0.2
160°-170°	3.7	0.0
170°-180°	0.0	0.0
0°-30°	2769.8	31.1
0°-40°	4150.8	46.7
0°-60°	6580.4	74.0
0°-90°	8390.1	94.3
90°-120°	340.0	3.8
90°-150°	487.8	5.5
90°-180°	506.0	5.7
0°-180°	8896.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3463	3463	3463	3463	3463	
5°	3502	3448	3454	3436	3437	333
15°	3428	3382	3514	3644	3688	970
25°	3307	3371	3436	2908	2670	1528
35°	3146	3095	2086	1436	1249	1973
45°	2888	2014	1018	1298	1564	2220
55°	2221	1033	1153	1240	1328	1956
65°	1072	670	898	1092	1118	1084
75°	316	357	538	713	760	358
85°	44	152	305	416	422	57
90°	2	113	273	324	299	2
95°	0	106	189	167	158	0
105°	0	95	116	106	104	0
115°	0	78	112	100	95	1
125°	2	63	100	97	92	1
135°	2	44	80	87	84	1
145°	2	28	55	70	75	1
155°	3	17	34	44	54	1
165°	3	9	17	22	29	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°	3463.1	3463.1	3463.1	3463.1	3463.1
2.5°	3506.1	3455.5	3461.6	3450.9	3432.5
5°	3501.5	3447.8	3453.9	3435.5	3437.1
7.5°	3489.2	3434.0	3441.7	3438.6	3446.3
10°	3475.4	3417.1	3446.3	3472.3	3495.3
12.5°	3450.9	3398.7	3469.3	3545.9	3593.4
15°	3427.9	3381.9	3513.7	3644.0	3688.5
17.5°	3404.9	3375.7	3568.9	3682.4	3676.2
20°	3375.7	3372.7	3610.3	3572.0	3478.5
22.5°	3343.6	3374.2	3578.1	3297.6	3113.6
25°	3306.8	3371.1	3435.5	2908.2	2670.5
27.5°	3270.0	3357.3	3176.5	2482.0	2247.4
30°	3233.2	3320.6	2826.9	2092.6	1879.5
32.5°	3190.2	3240.8	2446.7	1747.7	1551.4
35°	3145.8	3095.2	2086.5	1436.5	1249.4
37.5°	3099.8	2885.2	1763.0	1163.6	1044.0
40°	3044.6	2621.5	1465.6	998.0	1030.2
42.5°	2975.6	2324.1	1203.4	1047.1	1270.9
45°	2888.2	2014.4	1017.9	1298.5	1563.7
47.5°	2777.9	1717.0	971.9	1487.0	1569.8
50°	2644.5	1444.1	1068.5	1425.7	1419.6
52.5°	2442.1	1217.2	1166.6	1300.0	1349.1
55°	2221.4	1033.3	1152.8	1240.2	1327.6
57.5°	1942.4	909.1	1057.8	1228.0	1329.1
60°	1664.9	826.3	976.5	1226.4	1321.5
62.5°	1358.3	751.2	935.2	1197.3	1254.0
65°	1071.6	669.9	898.4	1091.5	1117.6
67.5°	821.7	587.2	834.0	973.5	1025.6
70°	619.3	505.9	732.8	883.0	947.4
72.5°	446.1	429.3	628.5	803.3	870.8
75°	315.8	357.2	538.1	712.9	760.4
77.5°	217.7	291.3	461.4	613.2	651.5
80°	142.6	233.0	392.5	527.4	553.4
82.5°	85.9	187.0	340.3	461.4	475.2
85°	44.5	151.8	305.1	415.5	421.6
87.5°	13.8	127.2	285.1	394.0	401.7
90°	1.5	113.4	272.9	323.5	298.9
92.5°	0.0	107.3	236.1	220.8	197.8
95°	0.0	105.8	188.6	167.1	157.9
97.5°	0.0	102.7	154.8	139.5	134.9
100°	0.0	99.6	133.4	122.6	121.1
102.5°	0.0	98.1	121.1	111.9	110.4
105°	0.0	95.0	116.5	105.8	104.2
107.5°	0.0	90.4	113.4	102.7	99.6
110°	0.0	85.9	113.4	101.2	96.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	81.3	113.4	99.6	95.0
115°	0.0	78.2	111.9	99.6	95.0
117.5°	1.5	75.1	110.4	99.6	95.0
120°	0.0	72.1	107.3	99.6	93.5
122.5°	1.5	67.5	104.2	98.1	93.5
125°	1.5	62.9	99.6	96.6	92.0
127.5°	1.5	58.3	95.0	93.5	88.9
130°	1.5	53.7	90.4	92.0	87.4
132.5°	1.5	49.1	84.3	88.9	85.9
135°	1.5	44.5	79.7	87.4	84.3
137.5°	1.5	39.9	73.6	82.8	82.8
140°	1.5	35.3	67.5	79.7	81.3
142.5°	1.5	32.2	61.3	76.7	78.2
145°	1.5	27.6	55.2	70.5	75.1
147.5°	1.5	24.5	49.1	64.4	70.5
150°	1.5	21.5	42.9	58.3	64.4
152.5°	1.5	18.4	38.3	50.6	59.8
155°	3.1	16.9	33.7	44.5	53.7
157.5°	3.1	13.8	27.6	38.3	46.0
160°	3.1	12.3	24.5	32.2	41.4
162.5°	3.1	10.7	19.9	27.6	35.3
165°	3.1	9.2	16.9	21.5	29.1
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)