

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-LD5-85SL-SLC-UNV-L835-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-LD5-85SL-SLC-UNV-L835-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

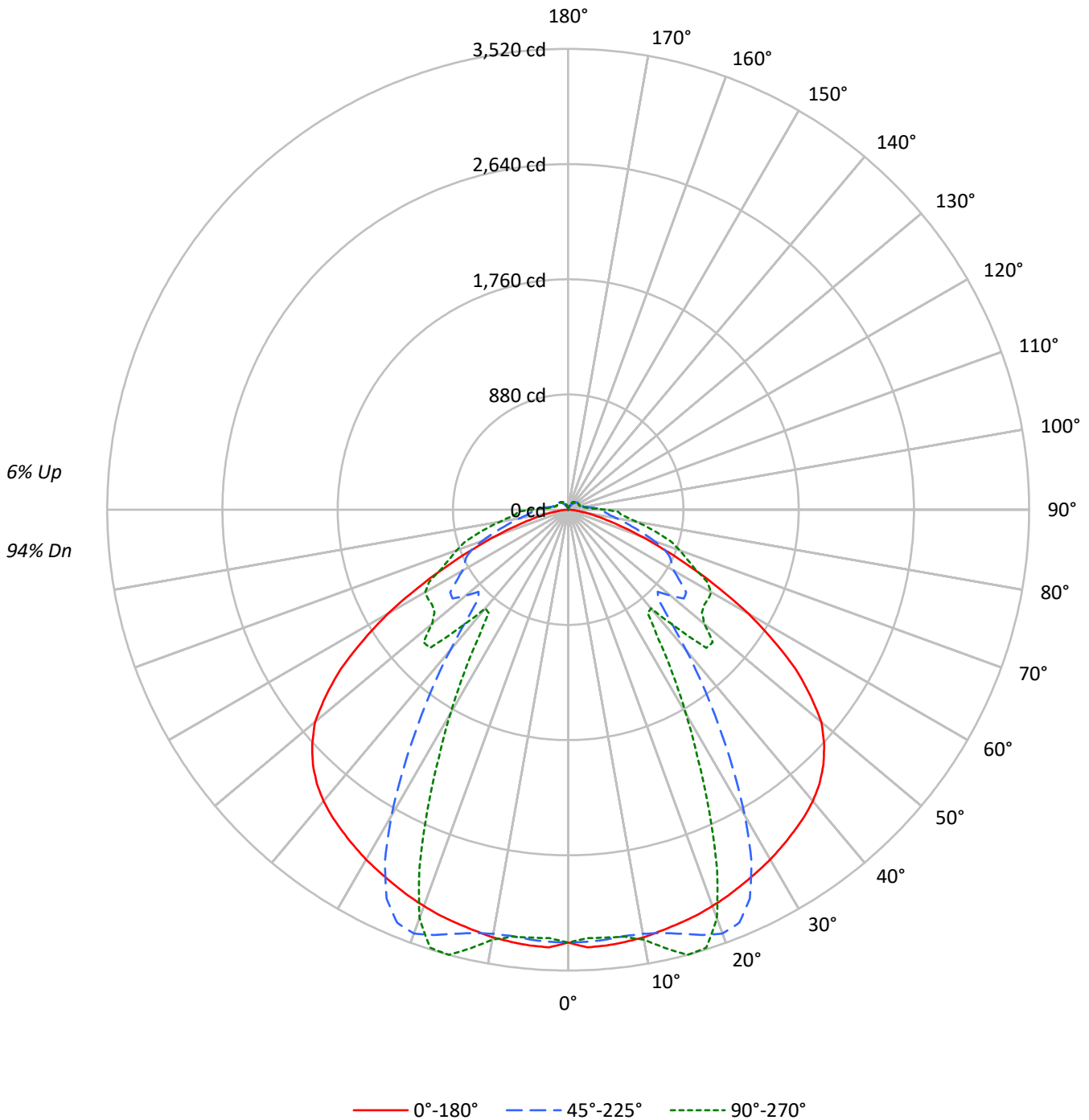
Lumens per Lamp: N/A
Luminaire Lumens: 8490.0 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 85
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°	26709	26709	26709
5°	27034	26083	25763
10°	27067	25686	25673
15°	27142	26048	26758
20°	27394	26823	25117
25°	27734	25778	19340
30°	28282	21590	13756
35°	28983	16351	9315
40°	29869	11887	7887
45°	30546	8623	12400
50°	30590	9549	11768
55°	28592	10988	11621
60°	24361	10055	12352
65°	18327	10141	11299
70°	12862	9231	10517
75°	8428	7734	9437
80°	5380	6625	7856
85°	2897	6299	7050



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.4	3.7
10°-20°	949.6	11.2
20°-30°	1379.4	16.2
30°-40°	1318.0	15.5
40°-50°	1205.6	14.2
50°-60°	1113.1	13.1
60°-70°	884.2	10.4
70°-80°	545.7	6.4
80°-90°	297.2	3.5
90°-100°	150.2	1.8
100°-110°	94.4	1.1
110°-120°	79.9	0.9
120°-130°	65.3	0.8
130°-140°	46.8	0.6
140°-150°	28.9	0.3
150°-160°	13.7	0.2
160°-170°	3.6	0.0
170°-180°	0.0	0.0
0°-30°	2643.4	31.1
0°-40°	3961.4	46.7
0°-60°	6280.1	74.0
0°-90°	8007.2	94.3
90°-120°	324.5	3.8
90°-150°	465.6	5.5
90°-180°	483.0	5.7
0°-180°	8490.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3305	3305	3305	3305	3305	
5°	3342	3290	3296	3279	3280	318
15°	3271	3228	3353	3478	3520	926
25°	3156	3217	3279	2775	2549	1459
35°	3002	2954	1991	1371	1192	1883
45°	2756	1922	972	1239	1492	2118
55°	2120	986	1100	1184	1267	1867
65°	1023	639	857	1042	1067	1034
75°	301	341	514	680	726	342
85°	42	145	291	396	402	54
90°	2	108	260	309	285	2
95°	0	101	180	160	151	0
105°	0	91	111	101	100	0
115°	0	75	107	95	91	1
125°	2	60	95	92	88	1
135°	2	42	76	83	80	1
145°	2	26	53	67	72	1
155°	3	16	32	42	51	1
165°	3	9	16	20	28	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°	3305.1	3305.1	3305.1	3305.1	3305.1
2.5°	3346.0	3297.8	3303.6	3293.4	3275.8
5°	3341.7	3290.4	3296.3	3278.7	3280.2
7.5°	3329.9	3277.3	3284.6	3281.7	3289.0
10°	3316.8	3261.2	3289.0	3313.9	3335.8
12.5°	3293.4	3243.6	3310.9	3384.1	3429.4
15°	3271.4	3227.5	3353.4	3477.7	3520.1
17.5°	3249.5	3221.7	3406.0	3514.3	3508.4
20°	3221.7	3218.8	3445.5	3409.0	3319.7
22.5°	3191.0	3220.2	3414.8	3147.1	2971.5
25°	3155.8	3217.3	3278.7	2775.4	2548.7
27.5°	3120.7	3204.1	3031.5	2368.7	2144.9
30°	3085.6	3169.0	2697.9	1997.1	1793.7
32.5°	3044.6	3092.9	2335.1	1667.9	1480.6
35°	3002.2	2953.9	1991.2	1370.9	1192.4
37.5°	2958.3	2753.5	1682.5	1110.5	996.4
40°	2905.7	2501.9	1398.7	952.5	983.2
42.5°	2839.8	2218.0	1148.5	999.3	1212.9
45°	2756.4	1922.5	971.5	1239.2	1492.3
47.5°	2651.1	1638.6	927.6	1419.2	1498.2
50°	2523.8	1378.2	1019.8	1360.7	1354.8
52.5°	2330.7	1161.7	1113.4	1240.7	1287.5
55°	2120.0	986.1	1100.2	1183.6	1267.0
57.5°	1853.7	867.6	1009.5	1171.9	1268.5
60°	1588.9	788.6	932.0	1170.5	1261.2
62.5°	1296.3	716.9	892.5	1142.7	1196.8
65°	1022.7	639.4	857.4	1041.7	1066.6
67.5°	784.2	560.4	795.9	929.0	978.8
70°	591.1	482.8	699.3	842.7	904.2
72.5°	425.8	409.7	599.9	766.6	831.0
75°	301.4	340.9	513.5	680.3	725.7
77.5°	207.8	278.0	440.4	585.2	621.8
80°	136.1	222.4	374.5	503.3	528.2
82.5°	81.9	178.5	324.8	440.4	453.6
85°	42.4	144.8	291.2	396.5	402.3
87.5°	13.2	121.4	272.1	376.0	383.3
90°	1.5	108.3	260.4	308.7	285.3
92.5°	0.0	102.4	225.3	210.7	188.7
95°	0.0	101.0	180.0	159.5	150.7
97.5°	0.0	98.0	147.8	133.1	128.8
100°	0.0	95.1	127.3	117.0	115.6
102.5°	0.0	93.6	115.6	106.8	105.3
105°	0.0	90.7	111.2	101.0	99.5
107.5°	0.0	86.3	108.3	98.0	95.1
110°	0.0	81.9	108.3	96.6	92.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	77.5	108.3	95.1	90.7
115°	0.0	74.6	106.8	95.1	90.7
117.5°	1.5	71.7	105.3	95.1	90.7
120°	0.0	68.8	102.4	95.1	89.2
122.5°	1.5	64.4	99.5	93.6	89.2
125°	1.5	60.0	95.1	92.2	87.8
127.5°	1.5	55.6	90.7	89.2	84.9
130°	1.5	51.2	86.3	87.8	83.4
132.5°	1.5	46.8	80.5	84.9	81.9
135°	1.5	42.4	76.1	83.4	80.5
137.5°	1.5	38.0	70.2	79.0	79.0
140°	1.5	33.7	64.4	76.1	77.5
142.5°	1.5	30.7	58.5	73.2	74.6
145°	1.5	26.3	52.7	67.3	71.7
147.5°	1.5	23.4	46.8	61.4	67.3
150°	1.5	20.5	41.0	55.6	61.4
152.5°	1.5	17.6	36.6	48.3	57.1
155°	2.9	16.1	32.2	42.4	51.2
157.5°	2.9	13.2	26.3	36.6	43.9
160°	2.9	11.7	23.4	30.7	39.5
162.5°	2.9	10.2	19.0	26.3	33.7
165°	2.9	8.8	16.1	20.5	27.8
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)