

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-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-LD5-85SL-SLC-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

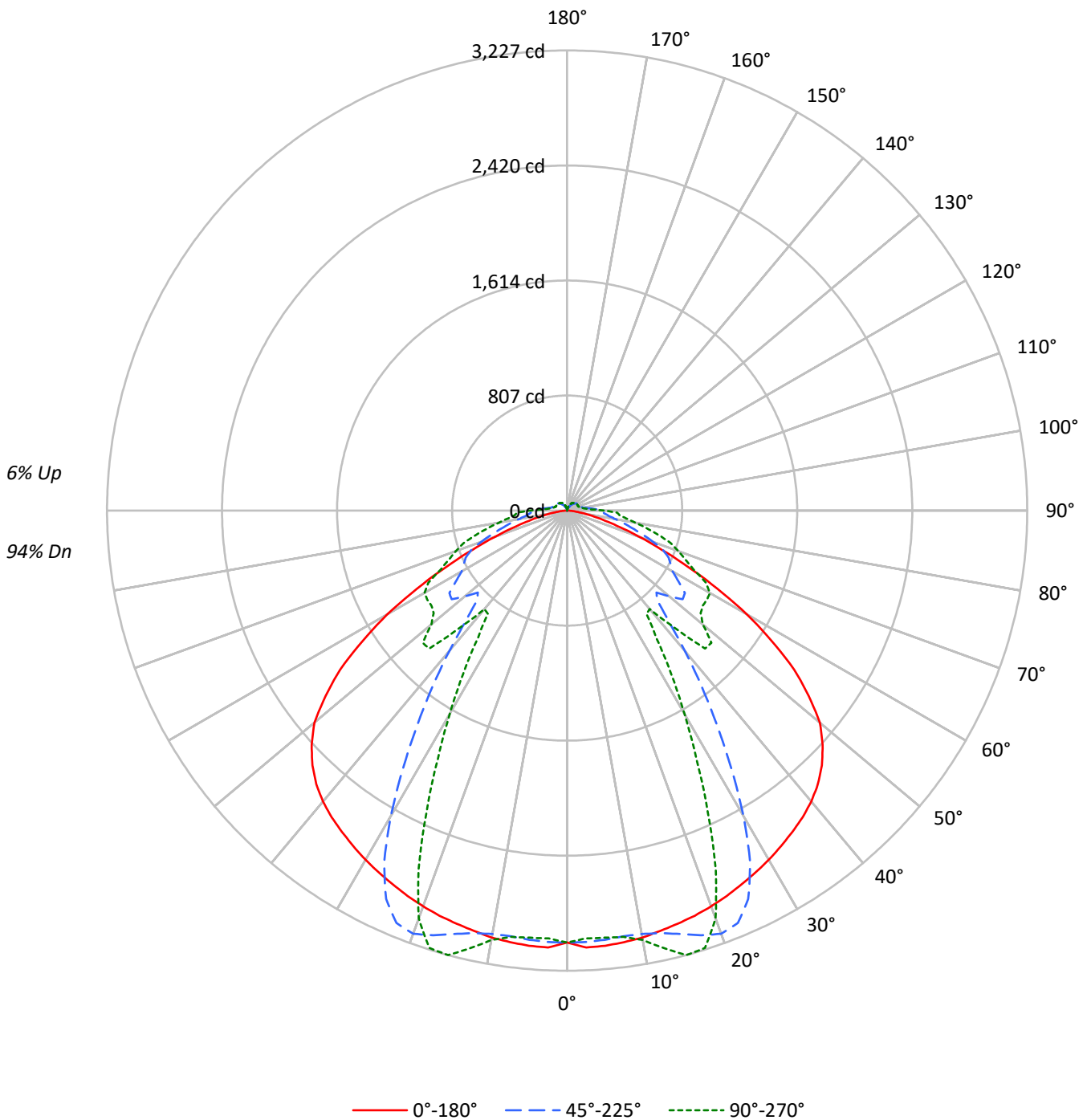
Lumens per Lamp: N/A
Luminaire Lumens: 7782.0 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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	64	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°	24481	24481	24481
5°	24779	23908	23614
10°	24810	23544	23532
15°	24878	23875	24527
20°	25109	24586	23022
25°	25422	23628	17727
30°	25924	19790	12609
35°	26566	14988	8538
40°	27377	10896	7230
45°	28000	7904	11366
50°	28038	8752	10786
55°	26208	10072	10652
60°	22330	9217	11322
65°	16799	9296	10356
70°	11789	8461	9640
75°	7726	7089	8651
80°	4929	6073	7200
85°	2658	5773	6463



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.2	3.7
10°-20°	870.4	11.2
20°-30°	1264.4	16.2
30°-40°	1208.0	15.5
40°-50°	1105.0	14.2
50°-60°	1020.3	13.1
60°-70°	810.5	10.4
70°-80°	500.2	6.4
80°-90°	272.4	3.5
90°-100°	137.7	1.8
100°-110°	86.5	1.1
110°-120°	73.3	0.9
120°-130°	59.8	0.8
130°-140°	42.9	0.6
140°-150°	26.5	0.3
150°-160°	12.6	0.2
160°-170°	3.3	0.0
170°-180°	0.0	0.0
0°-30°	2423.0	31.1
0°-40°	3631.0	46.7
0°-60°	5756.3	74.0
0°-90°	7339.4	94.3
90°-120°	297.5	3.8
90°-150°	426.7	5.5
90°-180°	443.0	5.7
0°-180°	7782.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3030	3030	3030	3030	3030	
5°	3063	3016	3021	3005	3007	291
15°	2999	2958	3074	3188	3227	849
25°	2893	2949	3005	2544	2336	1337
35°	2752	2708	1825	1257	1093	1726
45°	2527	1762	890	1136	1368	1942
55°	1943	904	1008	1085	1161	1711
65°	937	586	786	955	978	948
75°	276	312	471	624	665	313
85°	39	133	267	363	369	50
90°	1	99	239	283	262	2
95°	0	92	165	146	138	0
105°	0	83	102	92	91	0
115°	0	68	98	87	83	1
125°	1	55	87	84	80	1
135°	1	39	70	76	74	1
145°	1	24	48	62	66	1
155°	3	15	30	39	47	1
165°	3	8	15	19	26	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°	3029.5	3029.5	3029.5	3029.5	3029.5
2.5°	3067.0	3022.8	3028.1	3018.7	3002.6
5°	3063.0	3016.0	3021.4	3005.3	3006.7
7.5°	3052.3	3004.0	3010.7	3008.0	3014.7
10°	3040.2	2989.2	3014.7	3037.5	3057.6
12.5°	3018.7	2973.1	3034.8	3101.9	3143.4
15°	2998.6	2958.4	3073.7	3187.7	3226.6
17.5°	2978.5	2953.0	3122.0	3221.2	3215.9
20°	2953.0	2950.3	3158.2	3124.7	3042.9
22.5°	2924.9	2951.7	3130.0	2884.6	2723.7
25°	2892.7	2949.0	3005.3	2544.0	2336.1
27.5°	2860.5	2936.9	2778.7	2171.2	1966.0
30°	2828.3	2904.7	2472.9	1830.5	1644.1
32.5°	2790.7	2835.0	2140.3	1528.8	1357.2
35°	2751.9	2707.6	1825.2	1256.6	1093.0
37.5°	2711.6	2523.9	1542.2	1017.9	913.3
40°	2663.3	2293.2	1282.1	873.0	901.2
42.5°	2603.0	2033.0	1052.7	915.9	1111.7
45°	2526.6	1762.2	890.5	1135.9	1367.9
47.5°	2430.0	1502.0	850.2	1300.8	1373.2
50°	2313.3	1263.3	934.7	1247.2	1241.8
52.5°	2136.3	1064.8	1020.5	1137.2	1180.1
55°	1943.2	903.9	1008.5	1084.9	1161.4
57.5°	1699.1	795.2	925.3	1074.2	1162.7
60°	1456.4	722.8	854.3	1072.8	1156.0
62.5°	1188.2	657.1	818.0	1047.4	1097.0
65°	937.4	586.0	785.9	954.8	977.6
67.5°	718.8	513.6	729.5	851.6	897.2
70°	541.8	442.6	641.0	772.5	828.8
72.5°	390.2	375.5	549.8	702.7	761.7
75°	276.3	312.5	470.7	623.6	665.2
77.5°	190.4	254.8	403.7	536.4	570.0
80°	124.7	203.8	343.3	461.3	484.1
82.5°	75.1	163.6	297.7	403.7	415.7
85°	38.9	132.8	266.9	363.4	368.8
87.5°	12.1	111.3	249.4	344.7	351.4
90°	1.3	99.2	238.7	283.0	261.5
92.5°	0.0	93.9	206.5	193.1	173.0
95°	0.0	92.5	165.0	146.2	138.1
97.5°	0.0	89.9	135.4	122.0	118.0
100°	0.0	87.2	116.7	107.3	105.9
102.5°	0.0	85.8	105.9	97.9	96.6
105°	0.0	83.1	101.9	92.5	91.2
107.5°	0.0	79.1	99.2	89.9	87.2
110°	0.0	75.1	99.2	88.5	84.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	71.1	99.2	87.2	83.1
115°	0.0	68.4	97.9	87.2	83.1
117.5°	1.3	65.7	96.6	87.2	83.1
120°	0.0	63.0	93.9	87.2	81.8
122.5°	1.3	59.0	91.2	85.8	81.8
125°	1.3	55.0	87.2	84.5	80.5
127.5°	1.3	51.0	83.1	81.8	77.8
130°	1.3	46.9	79.1	80.5	76.4
132.5°	1.3	42.9	73.8	77.8	75.1
135°	1.3	38.9	69.7	76.4	73.8
137.5°	1.3	34.9	64.4	72.4	72.4
140°	1.3	30.8	59.0	69.7	71.1
142.5°	1.3	28.2	53.6	67.1	68.4
145°	1.3	24.1	48.3	61.7	65.7
147.5°	1.3	21.5	42.9	56.3	61.7
150°	1.3	18.8	37.5	51.0	56.3
152.5°	1.3	16.1	33.5	44.3	52.3
155°	2.7	14.8	29.5	38.9	46.9
157.5°	2.7	12.1	24.1	33.5	40.2
160°	2.7	10.7	21.5	28.2	36.2
162.5°	2.7	9.4	17.4	24.1	30.8
165°	2.7	8.0	14.8	18.8	25.5
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)