

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-LD5-66SL-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-LD5-66SL-SLC-UNV-L835-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

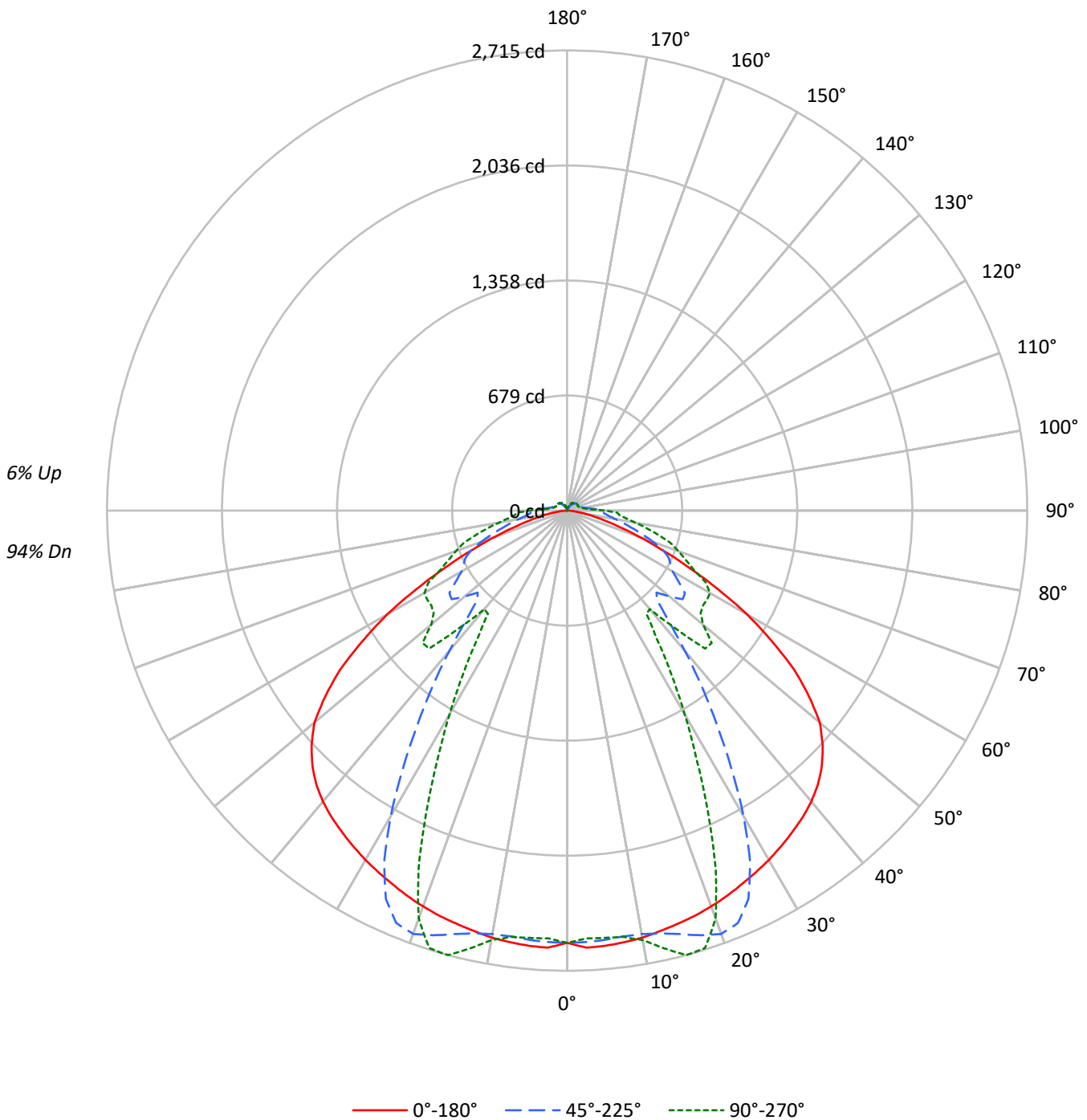
Lumens per Lamp: N/A
Luminaire Lumens: 6549.0 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 55
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°	20603	20603	20603
5°	20853	20120	19873
10°	20879	19813	19804
15°	20937	20093	20641
20°	21131	20691	19374
25°	21393	19884	14918
30°	21816	16654	10611
35°	22356	12613	7185
40°	23040	9169	6084
45°	23562	6652	9566
50°	23596	7365	9078
55°	22055	8476	8965
60°	18791	7756	9528
65°	14137	7822	8715
70°	9920	7121	8113
75°	6501	5966	7280
80°	4151	5111	6059
85°	2234	4858	5440



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.5	3.7
10°-20°	732.5	11.2
20°-30°	1064.0	16.2
30°-40°	1016.6	15.5
40°-50°	929.9	14.2
50°-60°	858.7	13.1
60°-70°	682.0	10.4
70°-80°	421.0	6.4
80°-90°	229.2	3.5
90°-100°	115.9	1.8
100°-110°	72.8	1.1
110°-120°	61.7	0.9
120°-130°	50.4	0.8
130°-140°	36.1	0.6
140°-150°	22.3	0.3
150°-160°	10.6	0.2
160°-170°	2.7	0.0
170°-180°	0.0	0.0
0°-30°	2039.1	31.1
0°-40°	3055.7	46.7
0°-60°	4844.3	74.0
0°-90°	6176.5	94.3
90°-120°	250.4	3.8
90°-150°	359.1	5.5
90°-180°	372.0	5.7
0°-180°	6549.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2550	2550	2550	2550	2550	
5°	2578	2538	2543	2529	2530	245
15°	2524	2490	2587	2683	2715	714
25°	2434	2482	2529	2141	1966	1125
35°	2316	2279	1536	1058	920	1452
45°	2126	1483	749	956	1151	1634
55°	1635	761	849	913	977	1440
65°	789	493	661	804	823	798
75°	232	263	396	525	560	264
85°	33	112	225	306	310	42
90°	1	84	201	238	220	2
95°	0	78	139	123	116	0
105°	0	70	86	78	77	0
115°	0	58	82	73	70	1
125°	1	46	73	71	68	1
135°	1	33	59	64	62	1
145°	1	20	41	52	55	1
155°	2	12	25	33	40	1
165°	2	7	12	16	21	0
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°	2549.5	2549.5	2549.5	2549.5	2549.5
2.5°	2581.1	2543.8	2548.3	2540.4	2526.9
5°	2577.7	2538.2	2542.7	2529.1	2530.3
7.5°	2568.6	2528.0	2533.7	2531.4	2537.0
10°	2558.5	2515.6	2537.0	2556.2	2573.2
12.5°	2540.4	2502.1	2554.0	2610.4	2645.4
15°	2523.5	2489.6	2586.7	2682.6	2715.4
17.5°	2506.6	2485.1	2627.3	2710.9	2706.3
20°	2485.1	2482.9	2657.8	2629.6	2560.7
22.5°	2461.4	2484.0	2634.1	2427.6	2292.1
25°	2434.3	2481.7	2529.1	2140.9	1966.0
27.5°	2407.3	2471.6	2338.4	1827.2	1654.5
30°	2380.2	2444.5	2081.1	1540.5	1383.6
32.5°	2348.6	2385.8	1801.2	1286.6	1142.1
35°	2315.8	2278.6	1536.0	1057.5	919.8
37.5°	2282.0	2124.0	1297.9	856.6	768.6
40°	2241.4	1929.9	1078.9	734.7	758.4
42.5°	2190.6	1710.9	885.9	770.8	935.6
45°	2126.2	1483.0	749.4	955.9	1151.2
47.5°	2045.0	1264.0	715.5	1094.7	1155.7
50°	1946.8	1063.1	786.6	1049.6	1045.1
52.5°	1797.8	896.1	858.8	957.0	993.2
55°	1635.3	760.7	848.7	913.0	977.4
57.5°	1429.9	669.2	778.7	904.0	978.5
60°	1225.6	608.3	718.9	902.9	972.8
62.5°	999.9	553.0	688.4	881.4	923.2
65°	788.9	493.2	661.3	803.5	822.7
67.5°	604.9	432.2	613.9	716.6	755.0
70°	455.9	372.4	539.5	650.1	697.5
72.5°	328.4	316.0	462.7	591.4	641.0
75°	232.5	263.0	396.1	524.8	559.8
77.5°	160.3	214.4	339.7	451.4	479.6
80°	105.0	171.5	288.9	388.2	407.4
82.5°	63.2	137.7	250.5	339.7	349.9
85°	32.7	111.7	224.6	305.8	310.4
87.5°	10.2	93.7	209.9	290.0	295.7
90°	1.1	83.5	200.9	238.1	220.1
92.5°	0.0	79.0	173.8	162.5	145.6
95°	0.0	77.9	138.8	123.0	116.2
97.5°	0.0	75.6	114.0	102.7	99.3
100°	0.0	73.4	98.2	90.3	89.2
102.5°	0.0	72.2	89.2	82.4	81.3
105°	0.0	70.0	85.8	77.9	76.7
107.5°	0.0	66.6	83.5	75.6	73.4
110°	0.0	63.2	83.5	74.5	71.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	59.8	83.5	73.4	70.0
115°	0.0	57.6	82.4	73.4	70.0
117.5°	1.1	55.3	81.3	73.4	70.0
120°	0.0	53.0	79.0	73.4	68.8
122.5°	1.1	49.7	76.7	72.2	68.8
125°	1.1	46.3	73.4	71.1	67.7
127.5°	1.1	42.9	70.0	68.8	65.5
130°	1.1	39.5	66.6	67.7	64.3
132.5°	1.1	36.1	62.1	65.5	63.2
135°	1.1	32.7	58.7	64.3	62.1
137.5°	1.1	29.3	54.2	60.9	60.9
140°	1.1	26.0	49.7	58.7	59.8
142.5°	1.1	23.7	45.1	56.4	57.6
145°	1.1	20.3	40.6	51.9	55.3
147.5°	1.1	18.1	36.1	47.4	51.9
150°	1.1	15.8	31.6	42.9	47.4
152.5°	1.1	13.5	28.2	37.2	44.0
155°	2.3	12.4	24.8	32.7	39.5
157.5°	2.3	10.2	20.3	28.2	33.9
160°	2.3	9.0	18.1	23.7	30.5
162.5°	2.3	7.9	14.7	20.3	26.0
165°	2.3	6.8	12.4	15.8	21.4
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)