

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-LD5-35SL-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-LD5-35SL-SLC-UNV-L835-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

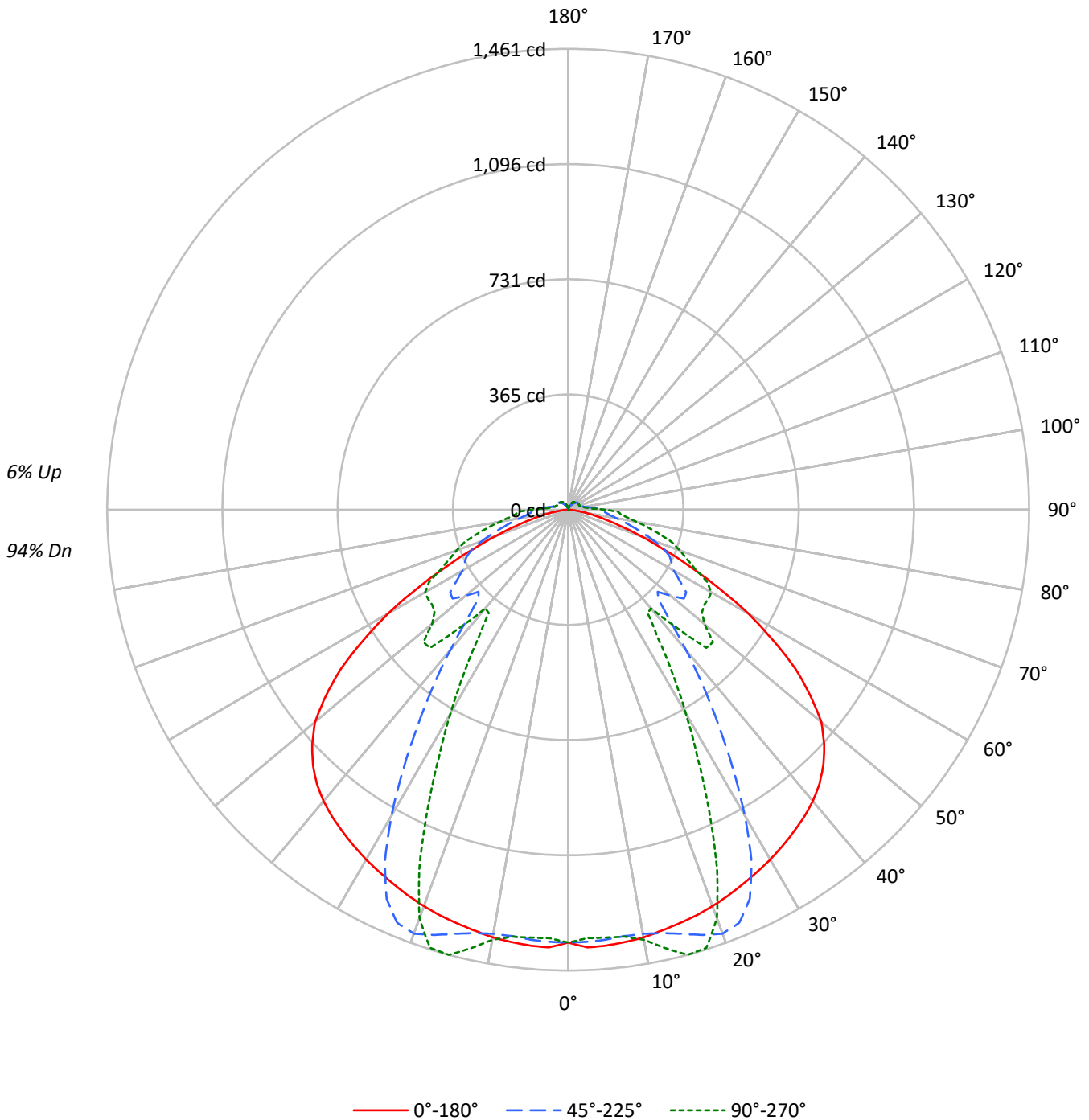
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3524.0 lumens
Efficiency: N/A
Efficacy: 141.0 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): 25
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°	11086	11086	11086
5°	11221	10826	10693
10°	11235	10662	10656
15°	11266	10812	11107
20°	11370	11134	10425
25°	11512	10700	8028
30°	11740	8961	5710
35°	12031	6787	3866
40°	12398	4934	3274
45°	12679	3579	5147
50°	12697	3964	4884
55°	11868	4561	4823
60°	10112	4173	5127
65°	7607	4210	4690
70°	5338	3832	4365
75°	3498	3211	3917
80°	2233	2751	3260
85°	1202	2613	2927



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.5	3.7
10°-20°	394.1	11.2
20°-30°	572.6	16.2
30°-40°	547.0	15.5
40°-50°	500.4	14.2
50°-60°	462.0	13.1
60°-70°	367.0	10.4
70°-80°	226.5	6.4
80°-90°	123.4	3.5
90°-100°	62.3	1.8
100°-110°	39.2	1.1
110°-120°	33.2	0.9
120°-130°	27.1	0.8
130°-140°	19.4	0.6
140°-150°	12.0	0.3
150°-160°	5.7	0.2
160°-170°	1.5	0.0
170°-180°	0.0	0.0
0°-30°	1097.2	31.1
0°-40°	1644.3	46.7
0°-60°	2606.7	74.0
0°-90°	3323.6	94.3
90°-120°	134.7	3.8
90°-150°	193.2	5.5
90°-180°	200.0	5.7
0°-180°	3524.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1372	1372	1372	1372	1372	
5°	1387	1366	1368	1361	1362	132
15°	1358	1340	1392	1444	1461	384
25°	1310	1335	1361	1152	1058	605
35°	1246	1226	826	569	495	781
45°	1144	798	403	514	619	879
55°	880	409	457	491	526	775
65°	424	265	356	432	443	429
75°	125	142	213	282	301	142
85°	18	60	121	165	167	22
90°	1	45	108	128	118	1
95°	0	42	75	66	63	0
105°	0	38	46	42	41	0
115°	0	31	44	40	38	0
125°	1	25	40	38	36	0
135°	1	18	32	35	33	0
145°	1	11	22	28	30	0
155°	1	7	13	18	21	0
165°	1	4	7	8	12	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°	1371.9	1371.9	1371.9	1371.9	1371.9
2.5°	1388.9	1368.8	1371.3	1367.0	1359.7
5°	1387.0	1365.8	1368.2	1360.9	1361.5
7.5°	1382.2	1360.3	1363.4	1362.1	1365.2
10°	1376.7	1353.6	1365.2	1375.5	1384.6
12.5°	1367.0	1346.4	1374.3	1404.7	1423.5
15°	1357.9	1339.7	1391.9	1443.5	1461.1
17.5°	1348.8	1337.2	1413.8	1458.7	1456.3
20°	1337.2	1336.0	1430.2	1415.0	1377.9
22.5°	1324.5	1336.6	1417.4	1306.3	1233.4
25°	1309.9	1335.4	1360.9	1152.0	1057.9
27.5°	1295.3	1330.0	1258.3	983.2	890.3
30°	1280.8	1315.4	1119.8	828.9	744.5
32.5°	1263.8	1283.8	969.2	692.3	614.6
35°	1246.2	1226.1	826.5	569.0	494.9
37.5°	1227.9	1142.9	698.4	460.9	413.6
40°	1206.1	1038.5	580.6	395.3	408.1
42.5°	1178.7	920.6	476.7	414.8	503.4
45°	1144.1	798.0	403.2	514.4	619.4
47.5°	1100.4	680.2	385.0	589.1	621.9
50°	1047.6	572.1	423.3	564.8	562.3
52.5°	967.4	482.2	462.1	515.0	534.4
55°	880.0	409.3	456.7	491.3	525.9
57.5°	769.4	360.1	419.0	486.4	526.5
60°	659.5	327.3	386.8	485.8	523.5
62.5°	538.1	297.6	370.4	474.3	496.8
65°	424.5	265.4	355.9	432.4	442.7
67.5°	325.5	232.6	330.4	385.6	406.3
70°	245.3	200.4	290.3	349.8	375.3
72.5°	176.7	170.0	249.0	318.2	344.9
75°	125.1	141.5	213.2	282.4	301.2
77.5°	86.2	115.4	182.8	242.9	258.1
80°	56.5	92.3	155.5	208.9	219.2
82.5°	34.0	74.1	134.8	182.8	188.3
85°	17.6	60.1	120.8	164.6	167.0
87.5°	5.5	50.4	113.0	156.1	159.1
90°	0.6	44.9	108.1	128.1	118.4
92.5°	0.0	42.5	93.5	87.4	78.3
95°	0.0	41.9	74.7	66.2	62.6
97.5°	0.0	40.7	61.3	55.3	53.4
100°	0.0	39.5	52.8	48.6	48.0
102.5°	0.0	38.9	48.0	44.3	43.7
105°	0.0	37.7	46.2	41.9	41.3
107.5°	0.0	35.8	44.9	40.7	39.5
110°	0.0	34.0	44.9	40.1	38.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	32.2	44.9	39.5	37.7
115°	0.0	31.0	44.3	39.5	37.7
117.5°	0.6	29.8	43.7	39.5	37.7
120°	0.0	28.5	42.5	39.5	37.0
122.5°	0.6	26.7	41.3	38.9	37.0
125°	0.6	24.9	39.5	38.3	36.4
127.5°	0.6	23.1	37.7	37.0	35.2
130°	0.6	21.3	35.8	36.4	34.6
132.5°	0.6	19.4	33.4	35.2	34.0
135°	0.6	17.6	31.6	34.6	33.4
137.5°	0.6	15.8	29.1	32.8	32.8
140°	0.6	14.0	26.7	31.6	32.2
142.5°	0.6	12.8	24.3	30.4	31.0
145°	0.6	10.9	21.9	27.9	29.8
147.5°	0.6	9.7	19.4	25.5	27.9
150°	0.6	8.5	17.0	23.1	25.5
152.5°	0.6	7.3	15.2	20.0	23.7
155°	1.2	6.7	13.4	17.6	21.3
157.5°	1.2	5.5	10.9	15.2	18.2
160°	1.2	4.9	9.7	12.8	16.4
162.5°	1.2	4.3	7.9	10.9	14.0
165°	1.2	3.6	6.7	8.5	11.5
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)