

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-LD5-70SL-SLW-UNV-L935-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 (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-70SL-SLW-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

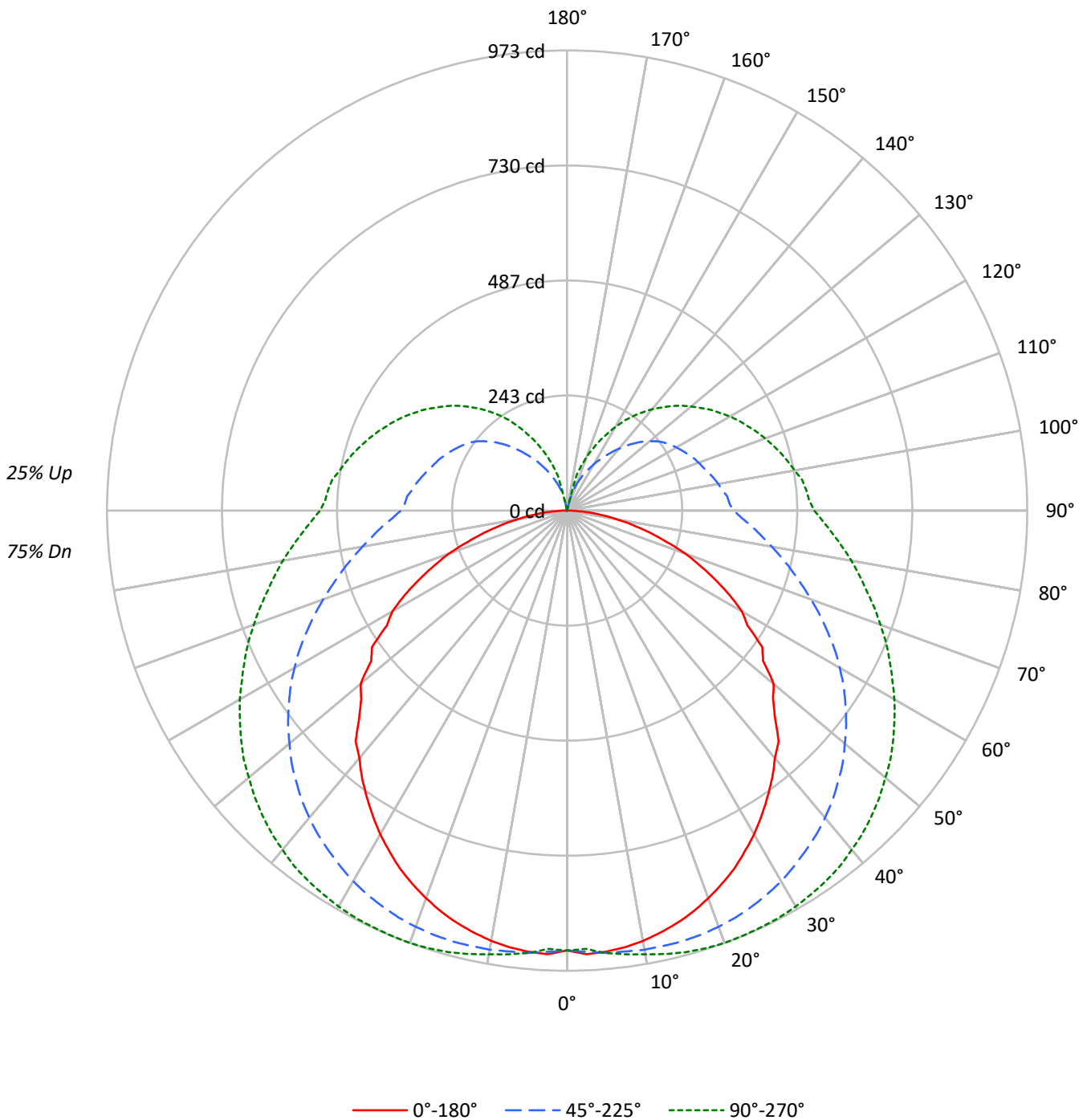
Lumens per Lamp: N/A
Luminaire Lumens: 5356.0 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 70
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	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7516	7516	7516
5°	7575	7429	7374
10°	7539	7362	7332
15°	7487	7323	7348
20°	7416	7290	7361
25°	7344	7263	7373
30°	7245	7242	7413
35°	7132	7214	7463
40°	7025	7209	7512
45°	6890	7194	7571
50°	6910	7177	7631
55°	6789	7177	7723
60°	6542	7183	7827
65°	6179	7190	7973
70°	5779	7243	8198
75°	5067	7412	8527
80°	4277	7770	9079
85°	3184	8494	9881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	1.7
10°-20°	265.0	4.9
20°-30°	421.1	7.9
30°-40°	540.5	10.1
40°-50°	610.3	11.4
50°-60°	622.8	11.6
60°-70°	576.9	10.8
70°-80°	488.4	9.1
80°-90°	389.9	7.3
90°-100°	331.1	6.2
100°-110°	295.0	5.5
110°-120°	251.2	4.7
120°-130°	199.6	3.7
130°-140°	141.6	2.6
140°-150°	84.5	1.6
150°-160°	39.4	0.7
160°-170°	9.4	0.2
170°-180°	0.0	0.0
0°-30°	775.5	14.5
0°-40°	1316.0	24.6
0°-60°	2549.0	47.6
0°-90°	4004.3	74.8
90°-120°	877.3	16.4
90°-150°	1302.9	24.3
90°-180°	1352.0	25.2
0°-180°	5356.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	930	930	930	930	930	
5°	936	929	939	939	939	89
15°	902	910	943	960	967	255
25°	836	863	924	956	972	385
35°	739	793	878	933	955	463
45°	622	706	810	881	911	483
55°	503	588	719	807	842	442
65°	345	459	608	712	753	342
75°	181	321	492	613	656	193
85°	47	206	393	520	564	51
90°	2	169	351	478	522	4
95°	0	159	340	464	507	0
105°	0	146	310	427	468	0
115°	0	136	282	384	422	0
125°	0	117	250	339	371	0
135°	0	87	201	286	312	0
145°	0	57	141	214	244	1
155°	1	35	87	131	162	1
165°	1	19	39	54	77	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°	930.1	930.1	930.1	930.1	930.1
2.5°	938.9	928.8	933.9	932.6	927.6
5°	936.4	928.8	938.9	938.9	938.9
7.5°	931.3	926.3	940.2	945.2	946.4
10°	923.8	923.8	942.7	950.2	952.7
12.5°	913.7	917.5	942.7	954.0	960.3
15°	902.4	909.9	942.7	960.3	966.6
17.5°	888.6	901.1	940.2	961.5	970.4
20°	872.2	891.1	936.4	961.5	972.9
22.5°	854.6	878.5	931.3	959.0	972.9
25°	835.7	863.4	923.8	956.5	971.6
27.5°	813.0	848.3	915.0	952.7	970.4
30°	790.4	830.7	904.9	947.7	966.6
32.5°	765.2	811.8	892.3	940.2	961.5
35°	738.8	792.9	878.5	932.6	955.3
37.5°	712.4	770.2	864.6	922.5	947.7
40°	683.4	747.6	848.3	909.9	936.4
42.5°	662.0	723.7	830.7	897.4	925.1
45°	621.7	706.1	810.5	881.0	911.2
47.5°	590.3	672.1	790.4	864.6	896.1
50°	570.1	644.4	766.5	845.8	878.5
52.5°	522.3	625.5	743.8	826.9	862.1
55°	503.4	587.8	718.6	806.7	842.0
57.5°	451.8	561.3	693.5	784.1	820.6
60°	426.7	524.8	665.8	761.4	799.2
62.5°	387.6	493.4	638.1	736.3	775.3
65°	344.8	459.4	607.9	712.4	752.6
67.5°	304.6	425.4	578.9	687.2	730.0
70°	265.6	390.2	548.7	662.0	704.8
72.5°	220.3	354.9	519.8	638.1	680.9
75°	181.2	320.9	492.1	612.9	655.7
77.5°	143.5	288.2	465.7	590.3	633.1
80°	108.2	256.7	439.2	566.4	610.4
82.5°	75.5	230.3	415.3	543.7	586.5
85°	46.6	206.4	392.7	519.8	563.8
87.5°	21.4	185.0	370.0	497.1	542.4
90°	2.5	168.6	351.1	478.3	522.3
92.5°	1.3	163.6	343.6	469.4	512.2
95°	0.0	158.6	339.8	464.4	507.2
97.5°	0.0	153.5	331.0	456.9	500.9
100°	0.0	151.0	324.7	445.5	488.3
102.5°	0.0	147.3	317.2	435.5	478.3
105°	0.0	146.0	309.6	426.7	468.2
107.5°	0.0	143.5	302.1	415.3	456.9
110°	0.0	141.0	295.8	405.3	445.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	138.4	289.5	395.2	434.2
115°	0.0	135.9	281.9	383.9	421.6
117.5°	0.0	132.2	274.4	372.5	410.3
120°	0.0	127.1	266.8	362.5	397.7
122.5°	0.0	122.1	259.3	349.9	383.9
125°	0.0	117.0	250.5	338.6	371.3
127.5°	0.0	109.5	240.4	326.0	356.2
130°	0.0	101.9	227.8	313.4	342.3
132.5°	1.3	94.4	215.2	299.5	328.5
135°	0.0	86.8	201.4	285.7	312.1
137.5°	0.0	80.5	186.3	270.6	295.8
140°	0.0	73.0	171.2	253.0	279.4
142.5°	0.0	64.2	156.1	234.1	261.8
145°	0.0	56.6	141.0	214.0	244.2
147.5°	1.3	50.3	127.1	192.6	225.3
150°	1.3	45.3	113.3	171.2	203.9
152.5°	1.3	40.3	99.4	151.0	182.5
155°	1.3	35.2	86.8	130.9	162.4
157.5°	1.3	30.2	73.0	110.8	141.0
160°	1.3	26.4	60.4	93.1	120.8
162.5°	1.3	22.7	49.1	73.0	99.4
165°	1.3	18.9	39.0	54.1	76.8
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)