

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: **8SNLED-LD5-88SL-SLW-UNV-L940-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: 8SNLED-LD5-88SL-SLW-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

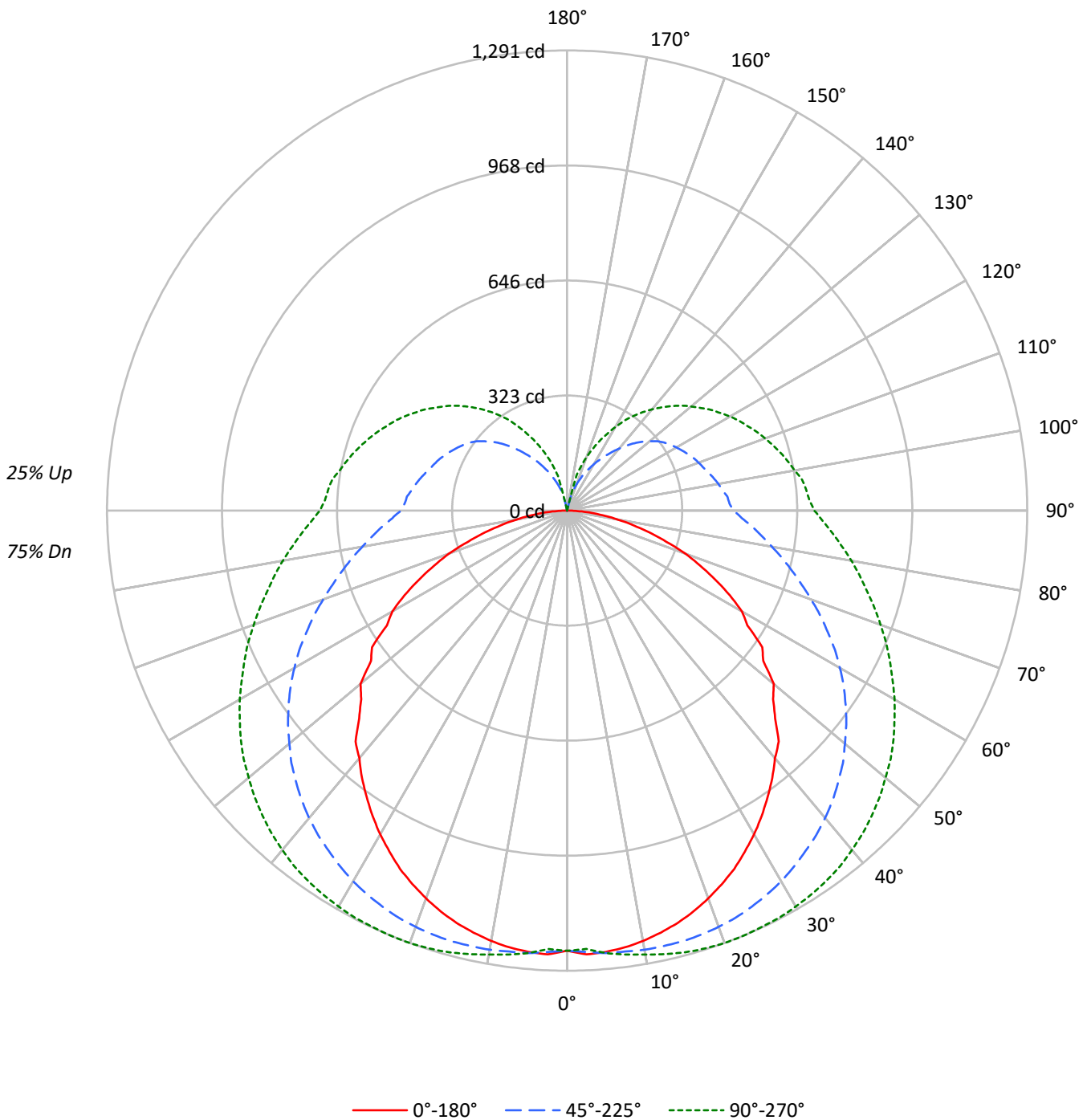
Lumens per Lamp: N/A
Luminaire Lumens: 7109.0 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 75
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	50	30	10	0	
RCR																						
0	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75				75
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56				56
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44				44
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36				36
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30				30
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25				25
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22				22
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19				19
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17				17
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15				15
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13				13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4988	4988	4988
5°	5034	4935	4894
10°	5017	4895	4866
15°	4989	4873	4876
20°	4950	4856	4885
25°	4909	4842	4893
30°	4851	4832	4919
35°	4785	4819	4952
40°	4723	4820	4985
45°	4643	4816	5025
50°	4670	4810	5064
55°	4604	4817	5125
60°	4456	4829	5195
65°	4234	4843	5291
70°	3993	4890	5441
75°	3549	5019	5659
80°	3071	5283	6025
85°	2431	5808	6558



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.7	1.7
10°-20°	351.7	4.9
20°-30°	558.9	7.9
30°-40°	717.4	10.1
40°-50°	810.1	11.4
50°-60°	826.6	11.6
60°-70°	765.8	10.8
70°-80°	648.3	9.1
80°-90°	517.5	7.3
90°-100°	439.4	6.2
100°-110°	391.5	5.5
110°-120°	333.5	4.7
120°-130°	264.9	3.7
130°-140°	187.9	2.6
140°-150°	112.2	1.6
150°-160°	52.3	0.7
160°-170°	12.4	0.2
170°-180°	0.0	0.0
0°-30°	1029.3	14.5
0°-40°	1746.7	24.6
0°-60°	3383.3	47.6
0°-90°	5314.9	74.8
90°-120°	1164.4	16.4
90°-150°	1729.4	24.3
90°-180°	1794.0	25.2
0°-180°	7109.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1234	1234	1234	1234	1234	
5°	1243	1233	1246	1246	1246	118
15°	1198	1208	1251	1275	1283	338
25°	1109	1146	1226	1270	1290	511
35°	981	1052	1166	1238	1268	614
45°	825	937	1076	1169	1209	641
55°	668	780	954	1071	1118	587
65°	458	610	807	946	999	454
75°	241	426	653	814	870	256
85°	62	274	521	690	748	67
90°	3	224	466	635	693	5
95°	0	210	451	616	673	0
105°	0	194	411	566	621	0
115°	0	180	374	510	560	0
125°	0	155	332	449	493	0
135°	0	115	267	379	414	0
145°	0	75	187	284	324	1
155°	2	47	115	174	216	1
165°	2	25	52	72	102	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°	1234.5	1234.5	1234.5	1234.5	1234.5
2.5°	1246.2	1232.8	1239.5	1237.8	1231.2
5°	1242.9	1232.8	1246.2	1246.2	1246.2
7.5°	1236.2	1229.5	1247.9	1254.5	1256.2
10°	1226.1	1226.1	1251.2	1261.2	1264.6
12.5°	1212.8	1217.8	1251.2	1266.2	1274.6
15°	1197.7	1207.8	1251.2	1274.6	1282.9
17.5°	1179.4	1196.1	1247.9	1276.3	1288.0
20°	1157.7	1182.7	1242.9	1276.3	1291.3
22.5°	1134.3	1166.0	1236.2	1272.9	1291.3
25°	1109.2	1146.0	1226.1	1269.6	1289.6
27.5°	1079.1	1125.9	1214.5	1264.6	1288.0
30°	1049.1	1102.5	1201.1	1257.9	1282.9
32.5°	1015.7	1077.5	1184.4	1247.9	1276.3
35°	980.6	1052.4	1166.0	1237.8	1267.9
37.5°	945.5	1022.3	1147.6	1224.5	1257.9
40°	907.1	992.3	1125.9	1207.8	1242.9
42.5°	878.7	960.5	1102.5	1191.1	1227.8
45°	825.2	937.1	1075.8	1169.3	1209.4
47.5°	783.5	892.0	1049.1	1147.6	1189.4
50°	756.7	855.3	1017.3	1122.6	1166.0
52.5°	693.3	830.2	987.3	1097.5	1144.3
55°	668.2	780.1	953.9	1070.8	1117.6
57.5°	599.7	745.0	920.4	1040.7	1089.2
60°	566.3	696.6	883.7	1010.7	1060.8
62.5°	514.5	654.8	846.9	977.2	1029.0
65°	457.7	609.7	806.9	945.5	999.0
67.5°	404.3	564.6	768.4	912.1	968.9
70°	352.5	517.9	728.3	878.7	935.5
72.5°	292.3	471.1	689.9	846.9	903.7
75°	240.6	426.0	653.2	813.5	870.3
77.5°	190.4	382.5	618.1	783.5	840.3
80°	143.7	340.8	583.0	751.7	810.2
82.5°	100.2	305.7	551.3	721.7	778.5
85°	61.8	274.0	521.2	689.9	748.4
87.5°	28.4	245.6	491.1	659.8	720.0
90°	3.3	223.8	466.1	634.8	693.3
92.5°	1.7	217.2	456.0	623.1	679.9
95°	0.0	210.5	451.0	616.4	673.2
97.5°	0.0	203.8	439.3	606.4	664.9
100°	0.0	200.5	431.0	591.4	648.2
102.5°	0.0	195.4	421.0	578.0	634.8
105°	0.0	193.8	410.9	566.3	621.4
107.5°	0.0	190.4	400.9	551.3	606.4
110°	0.0	187.1	392.6	537.9	591.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	183.8	384.2	524.5	576.3
115°	0.0	180.4	374.2	509.5	559.6
117.5°	0.0	175.4	364.2	494.5	544.6
120°	0.0	168.7	354.1	481.1	527.9
122.5°	0.0	162.0	344.1	464.4	509.5
125°	0.0	155.4	332.4	449.4	492.8
127.5°	0.0	145.3	319.1	432.7	472.8
130°	0.0	135.3	302.4	416.0	454.4
132.5°	1.7	125.3	285.7	397.6	436.0
135°	0.0	115.3	267.3	379.2	414.3
137.5°	0.0	106.9	247.2	359.2	392.6
140°	0.0	96.9	227.2	335.8	370.9
142.5°	0.0	85.2	207.1	310.7	347.5
145°	0.0	75.2	187.1	284.0	324.1
147.5°	1.7	66.8	168.7	255.6	299.0
150°	1.7	60.1	150.3	227.2	270.6
152.5°	1.7	53.5	132.0	200.5	242.2
155°	1.7	46.8	115.3	173.7	215.5
157.5°	1.7	40.1	96.9	147.0	187.1
160°	1.7	35.1	80.2	123.6	160.4
162.5°	1.7	30.1	65.1	96.9	132.0
165°	1.7	25.1	51.8	71.8	101.9
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)