

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-LD5-30SL-SLC-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 (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-30SL-SLC-UNV-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

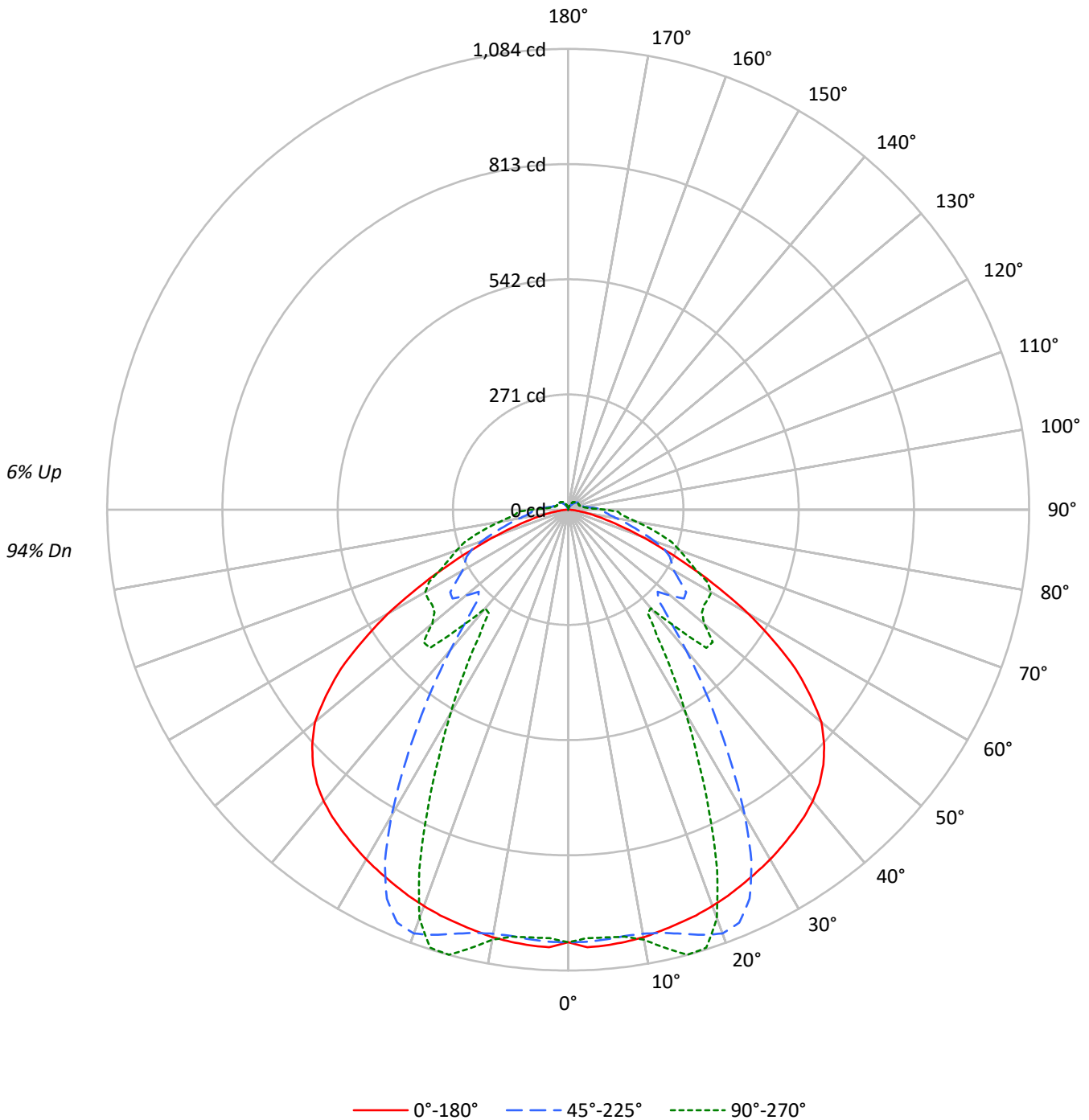
Lumens per Lamp: N/A
Luminaire Lumens: 2614.0 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 21
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	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°	8223	8223	8223
5°	8324	8031	7932
10°	8334	7909	7905
15°	8356	8020	8239
20°	8434	8259	7733
25°	8540	7937	5954
30°	8707	6648	4236
35°	8924	5035	2868
40°	9196	3660	2428
45°	9405	2655	3818
50°	9419	2940	3623
55°	8803	3384	3578
60°	7500	3095	3803
65°	5643	3123	3479
70°	3960	2842	3238
75°	2595	2381	2905
80°	1656	2040	2418
85°	895	1938	2171



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	3.7
10°-20°	292.4	11.2
20°-30°	424.7	16.2
30°-40°	405.8	15.5
40°-50°	371.2	14.2
50°-60°	342.7	13.1
60°-70°	272.2	10.4
70°-80°	168.0	6.4
80°-90°	91.5	3.5
90°-100°	46.2	1.8
100°-110°	29.1	1.1
110°-120°	24.6	0.9
120°-130°	20.1	0.8
130°-140°	14.4	0.6
140°-150°	8.9	0.3
150°-160°	4.2	0.2
160°-170°	1.1	0.0
170°-180°	0.0	0.0
0°-30°	813.9	31.1
0°-40°	1219.7	46.7
0°-60°	1933.6	74.0
0°-90°	2465.3	94.3
90°-120°	99.9	3.8
90°-150°	143.3	5.5
90°-180°	149.0	5.7
0°-180°	2614.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1018	1018	1018	1018	1018	
5°	1029	1013	1015	1010	1010	98
15°	1007	994	1032	1071	1084	285
25°	972	991	1010	854	785	449
35°	924	910	613	422	367	580
45°	849	592	299	382	460	652
55°	653	304	339	364	390	575
65°	315	197	264	321	328	318
75°	93	105	158	210	223	105
85°	13	45	90	122	124	17
90°	0	33	80	95	88	1
95°	0	31	55	49	46	0
105°	0	28	34	31	31	0
115°	0	23	33	29	28	0
125°	0	18	29	28	27	0
135°	0	13	23	26	25	0
145°	0	8	16	21	22	0
155°	1	5	10	13	16	0
165°	1	3	5	6	9	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°	1017.6	1017.6	1017.6	1017.6	1017.6
2.5°	1030.2	1015.4	1017.2	1014.0	1008.6
5°	1028.9	1013.1	1014.9	1009.5	1009.9
7.5°	1025.3	1009.0	1011.3	1010.4	1012.7
10°	1021.2	1004.1	1012.7	1020.3	1027.1
12.5°	1014.0	998.7	1019.4	1041.9	1055.9
15°	1007.2	993.7	1032.5	1070.8	1083.8
17.5°	1000.5	991.9	1048.7	1082.0	1080.2
20°	991.9	991.0	1060.9	1049.6	1022.1
22.5°	982.5	991.5	1051.4	969.0	914.9
25°	971.7	990.6	1009.5	854.5	784.7
27.5°	960.8	986.5	933.4	729.3	660.4
30°	950.0	975.7	830.7	614.9	552.3
32.5°	937.4	952.3	718.9	513.5	455.9
35°	924.4	909.5	613.1	422.1	367.1
37.5°	910.8	847.8	518.0	341.9	306.8
40°	894.6	770.3	430.6	293.3	302.7
42.5°	874.4	682.9	353.6	307.7	373.4
45°	848.7	591.9	299.1	381.5	459.5
47.5°	816.2	504.5	285.6	437.0	461.3
50°	777.1	424.3	314.0	418.9	417.1
52.5°	717.6	357.7	342.8	382.0	396.4
55°	652.7	303.6	338.8	364.4	390.1
57.5°	570.7	267.1	310.8	360.8	390.6
60°	489.2	242.8	286.9	360.4	388.3
62.5°	399.1	220.7	274.8	351.8	368.5
65°	314.9	196.9	264.0	320.7	328.4
67.5°	241.5	172.5	245.1	286.0	301.4
70°	182.0	148.7	215.3	259.5	278.4
72.5°	131.1	126.1	184.7	236.0	255.9
75°	92.8	105.0	158.1	209.5	223.4
77.5°	64.0	85.6	135.6	180.2	191.4
80°	41.9	68.5	115.3	155.0	162.6
82.5°	25.2	55.0	100.0	135.6	139.6
85°	13.1	44.6	89.6	122.1	123.9
87.5°	4.1	37.4	83.8	115.8	118.0
90°	0.5	33.3	80.2	95.0	87.8
92.5°	0.0	31.5	69.4	64.9	58.1
95°	0.0	31.1	55.4	49.1	46.4
97.5°	0.0	30.2	45.5	41.0	39.6
100°	0.0	29.3	39.2	36.0	35.6
102.5°	0.0	28.8	35.6	32.9	32.4
105°	0.0	27.9	34.2	31.1	30.6
107.5°	0.0	26.6	33.3	30.2	29.3
110°	0.0	25.2	33.3	29.7	28.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	23.9	33.3	29.3	27.9
115°	0.0	23.0	32.9	29.3	27.9
117.5°	0.5	22.1	32.4	29.3	27.9
120°	0.0	21.2	31.5	29.3	27.5
122.5°	0.5	19.8	30.6	28.8	27.5
125°	0.5	18.5	29.3	28.4	27.0
127.5°	0.5	17.1	27.9	27.5	26.1
130°	0.5	15.8	26.6	27.0	25.7
132.5°	0.5	14.4	24.8	26.1	25.2
135°	0.5	13.1	23.4	25.7	24.8
137.5°	0.5	11.7	21.6	24.3	24.3
140°	0.5	10.4	19.8	23.4	23.9
142.5°	0.5	9.5	18.0	22.5	23.0
145°	0.5	8.1	16.2	20.7	22.1
147.5°	0.5	7.2	14.4	18.9	20.7
150°	0.5	6.3	12.6	17.1	18.9
152.5°	0.5	5.4	11.3	14.9	17.6
155°	0.9	5.0	9.9	13.1	15.8
157.5°	0.9	4.1	8.1	11.3	13.5
160°	0.9	3.6	7.2	9.5	12.2
162.5°	0.9	3.2	5.9	8.1	10.4
165°	0.9	2.7	5.0	6.3	8.6
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)