

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-LD5-60SL-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: 8SNLED-LD5-60SL-SLC-UNV-L940-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

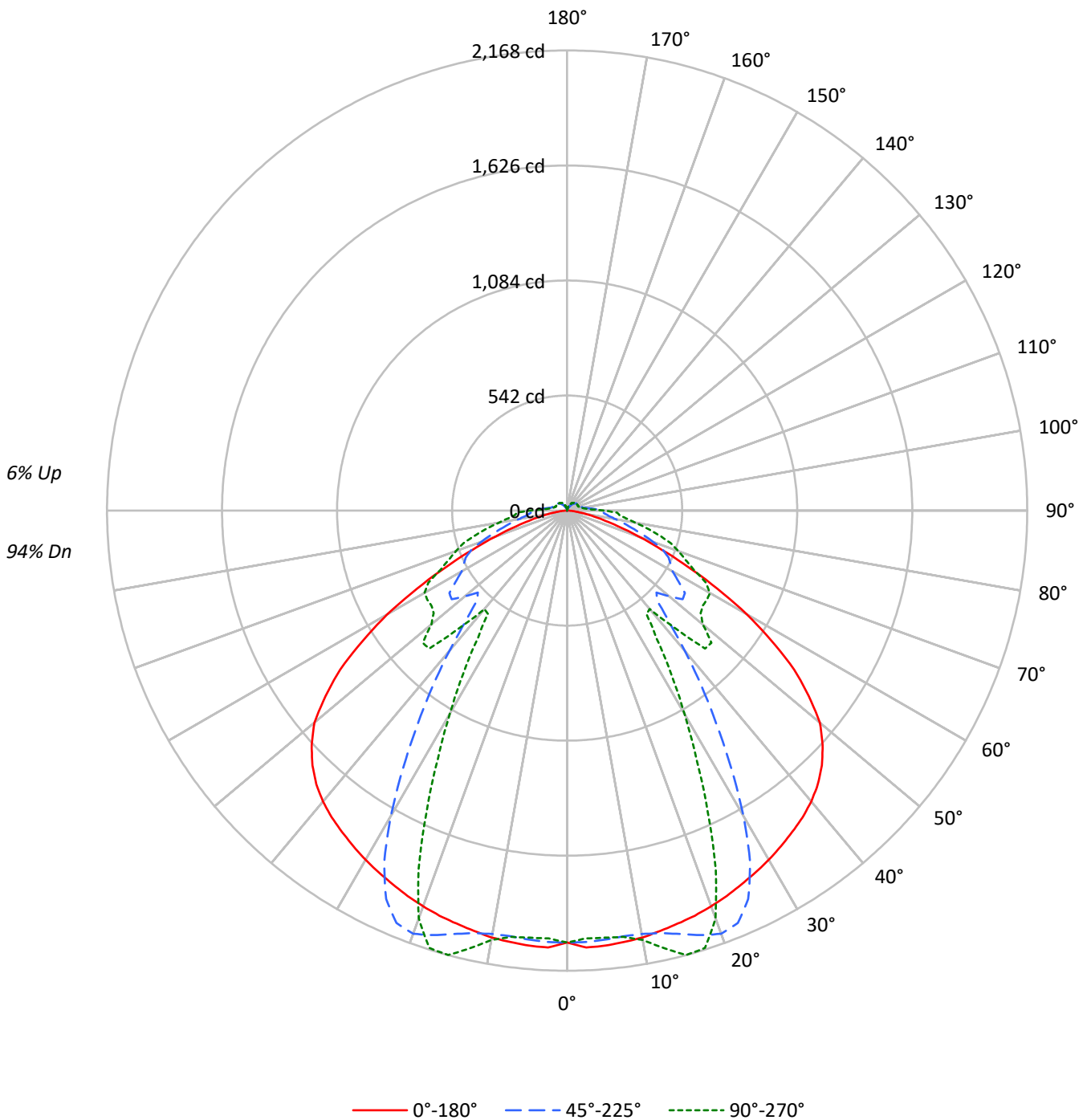
Lumens per Lamp: N/A  
Luminaire Lumens: 5228.1 lumens  
Efficiency: N/A  
Efficacy: 124.5 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 42  
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°	8223	8223	8223
5°	8335	8038	7932
10°	8357	7923	7904
15°	8392	8042	8239
20°	8482	8289	7733
25°	8601	7973	5954
30°	8786	6684	4235
35°	9020	5067	2868
40°	9316	3687	2428
45°	9550	2678	3818
50°	9590	2969	3623
55°	8996	3422	3578
60°	7698	3136	3803
65°	5826	3168	3479
70°	4123	2891	3238
75°	2738	2429	2906
80°	1791	2089	2418
85°	1027	1998	2171



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	193.6	3.7
10°-20°	584.7	11.2
20°-30°	849.4	16.2
30°-40°	811.6	15.5
40°-50°	742.4	14.2
50°-60°	685.5	13.1
60°-70°	544.5	10.4
70°-80°	336.1	6.4
80°-90°	183.0	3.5
90°-100°	92.5	1.8
100°-110°	58.1	1.1
110°-120°	49.2	0.9
120°-130°	40.2	0.8
130°-140°	28.8	0.6
140°-150°	17.8	0.3
150°-160°	8.4	0.2
160°-170°	2.2	0.0
170°-180°	0.0	0.0
0°-30°	1627.8	31.1
0°-40°	2439.3	46.7
0°-60°	3867.2	74.0
0°-90°	4930.7	94.3
90°-120°	199.9	3.8
90°-150°	286.7	5.5
90°-180°	297.0	5.7
0°-180°	5228.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2035	2035	2035	2035	2035	
5°	2058	2026	2030	2019	2020	196
15°	2014	1988	2065	2142	2168	570
25°	1943	1981	2019	1709	1569	898
35°	1849	1819	1226	844	734	1159
45°	1697	1184	598	763	919	1304
55°	1306	607	678	729	780	1150
65°	630	394	528	642	657	637
75°	186	210	316	419	447	210
85°	26	89	179	244	248	33
90°	1	67	160	190	176	1
95°	0	62	111	98	93	0
105°	0	56	68	62	61	0
115°	0	46	66	59	56	0
125°	1	37	59	57	54	1
135°	1	26	47	51	50	1
145°	1	16	32	41	44	1
155°	2	10	20	26	32	1
165°	2	5	10	13	17	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°	2035.2	2035.2	2035.2	2035.2	2035.2
2.5°	2060.4	2030.7	2034.3	2028.0	2017.2
5°	2057.7	2026.2	2029.8	2019.0	2019.9
7.5°	2050.5	2018.1	2022.6	2020.8	2025.3
10°	2042.4	2008.2	2025.3	2040.6	2054.1
12.5°	2028.0	1997.4	2038.8	2083.9	2111.8
15°	2014.5	1987.5	2064.9	2141.5	2167.6
17.5°	2001.0	1983.9	2097.4	2164.0	2160.4
20°	1983.9	1982.1	2121.7	2099.2	2044.2
22.5°	1964.9	1983.0	2102.8	1937.9	1829.8
25°	1943.3	1981.2	2019.0	1709.1	1569.4
27.5°	1921.7	1973.0	1866.7	1458.6	1320.8
30°	1900.1	1951.4	1661.3	1229.8	1104.5
32.5°	1874.8	1904.6	1437.9	1027.1	911.7
35°	1848.7	1819.0	1226.2	844.2	734.3
37.5°	1821.7	1695.6	1036.1	683.8	613.5
40°	1789.3	1540.6	861.3	586.5	605.4
42.5°	1748.7	1365.8	707.2	615.3	746.9
45°	1697.4	1183.8	598.2	763.1	919.0
47.5°	1632.5	1009.0	571.2	873.9	922.6
50°	1554.1	848.7	628.0	837.9	834.3
52.5°	1435.2	715.3	685.6	764.0	792.8
55°	1305.5	607.2	677.5	728.9	780.2
57.5°	1141.5	534.3	621.6	721.6	781.1
60°	978.4	485.6	573.9	720.7	776.6
62.5°	798.2	441.5	549.6	703.6	737.0
65°	629.8	393.7	527.9	641.5	656.8
67.5°	482.9	345.1	490.1	572.1	602.7
70°	364.0	297.3	430.6	518.9	556.8
72.5°	262.2	252.3	369.4	472.1	511.7
75°	185.6	209.9	316.2	418.9	446.9
77.5°	127.9	171.2	271.2	360.4	382.9
80°	83.8	136.9	230.6	309.9	325.2
82.5°	50.5	109.9	200.0	271.2	279.3
85°	26.1	89.2	179.3	244.2	247.8
87.5°	8.1	74.8	167.6	231.5	236.0
90°	0.9	66.7	160.4	190.1	175.7
92.5°	0.0	63.1	138.7	129.7	116.2
95°	0.0	62.2	110.8	98.2	92.8
97.5°	0.0	60.4	91.0	82.0	79.3
100°	0.0	58.6	78.4	72.1	71.2
102.5°	0.0	57.7	71.2	65.8	64.9
105°	0.0	55.9	68.5	62.2	61.3
107.5°	0.0	53.2	66.7	60.4	58.6
110°	0.0	50.5	66.7	59.5	56.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	47.7	66.7	58.6	55.9
115°	0.0	45.9	65.8	58.6	55.9
117.5°	0.9	44.1	64.9	58.6	55.9
120°	0.0	42.3	63.1	58.6	55.0
122.5°	0.9	39.6	61.3	57.7	55.0
125°	0.9	36.9	58.6	56.8	54.1
127.5°	0.9	34.2	55.9	55.0	52.3
130°	0.9	31.5	53.2	54.1	51.4
132.5°	0.9	28.8	49.6	52.3	50.5
135°	0.9	26.1	46.8	51.4	49.6
137.5°	0.9	23.4	43.2	48.7	48.7
140°	0.9	20.7	39.6	46.8	47.7
142.5°	0.9	18.9	36.0	45.0	45.9
145°	0.9	16.2	32.4	41.4	44.1
147.5°	0.9	14.4	28.8	37.8	41.4
150°	0.9	12.6	25.2	34.2	37.8
152.5°	0.9	10.8	22.5	29.7	35.1
155°	1.8	9.9	19.8	26.1	31.5
157.5°	1.8	8.1	16.2	22.5	27.0
160°	1.8	7.2	14.4	18.9	24.3
162.5°	1.8	6.3	11.7	16.2	20.7
165°	1.8	5.4	9.9	12.6	17.1
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)