

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-LD5-26SL-SLC-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 (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-26SL-SLC-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

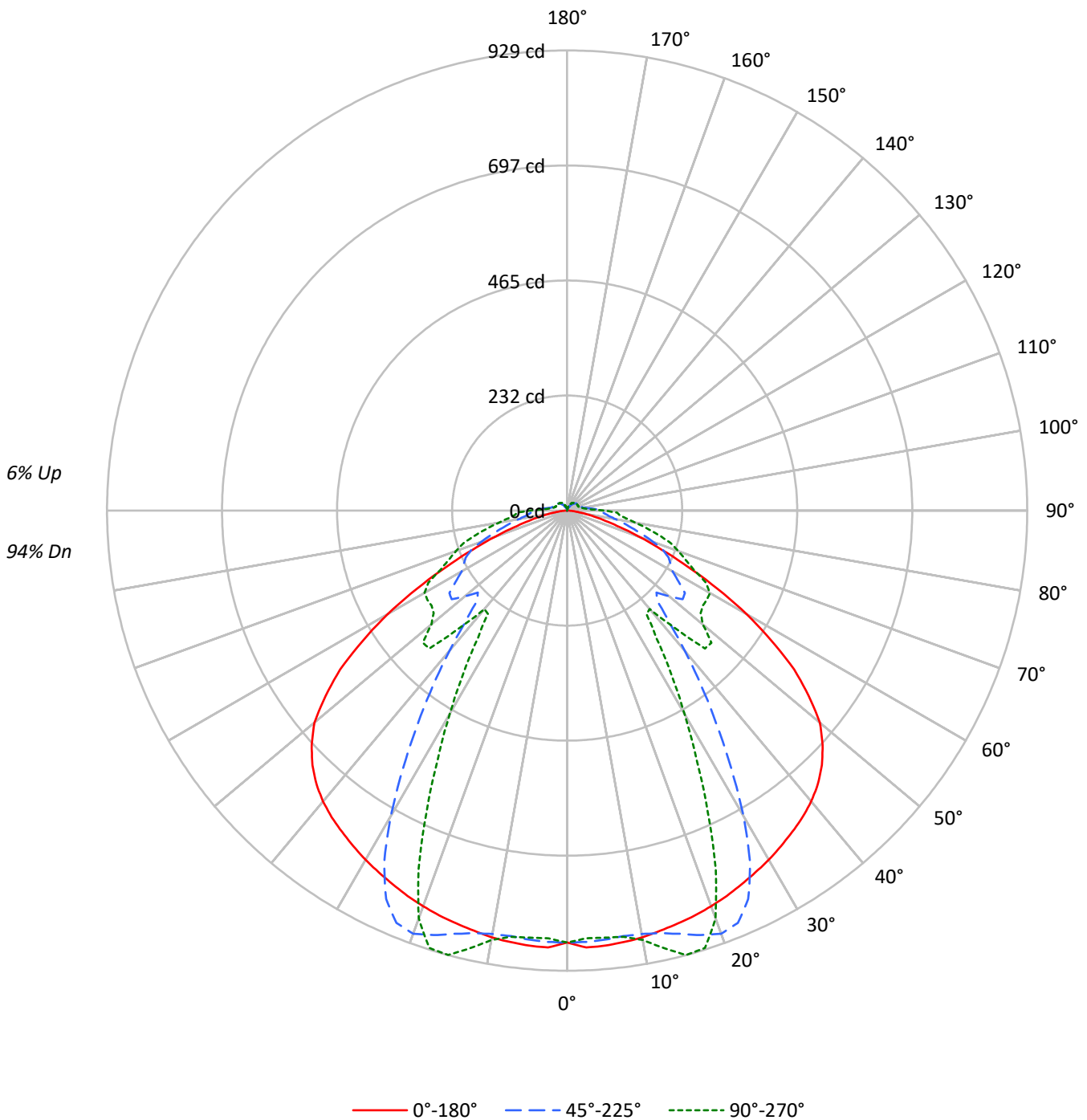
Lumens per Lamp: N/A
Luminaire Lumens: 2240.0 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 18
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°	7047	7047	7047
5°	7133	6882	6797
10°	7141	6777	6773
15°	7161	6872	7060
20°	7227	7077	6627
25°	7317	6802	5102
30°	7462	5696	3630
35°	7647	4314	2458
40°	7880	3136	2081
45°	8060	2275	3271
50°	8071	2520	3105
55°	7543	2899	3066
60°	6427	2653	3259
65°	4835	2676	2981
70°	3394	2435	2775
75°	2223	2041	2490
80°	1419	1748	2073
85°	765	1661	1861



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	3.7
10°-20°	250.5	11.2
20°-30°	363.9	16.2
30°-40°	347.7	15.5
40°-50°	318.1	14.2
50°-60°	293.7	13.1
60°-70°	233.3	10.4
70°-80°	144.0	6.4
80°-90°	78.4	3.5
90°-100°	39.6	1.8
100°-110°	24.9	1.1
110°-120°	21.1	0.9
120°-130°	17.2	0.8
130°-140°	12.4	0.6
140°-150°	7.6	0.3
150°-160°	3.6	0.2
160°-170°	0.9	0.0
170°-180°	0.0	0.0
0°-30°	697.4	31.1
0°-40°	1045.2	46.7
0°-60°	1656.9	74.0
0°-90°	2112.6	94.3
90°-120°	85.6	3.8
90°-150°	122.8	5.5
90°-180°	127.0	5.7
0°-180°	2240.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	872	872	872	872	872	
5°	882	868	870	865	865	84
15°	863	852	885	918	929	244
25°	833	849	865	732	672	385
35°	792	779	525	362	315	497
45°	727	507	256	327	394	559
55°	559	260	290	312	334	493
65°	270	169	226	275	281	273
75°	80	90	136	180	192	90
85°	11	38	77	105	106	14
90°	0	29	69	81	75	1
95°	0	27	48	42	40	0
105°	0	24	29	27	26	0
115°	0	20	28	25	24	0
125°	0	16	25	24	23	0
135°	0	11	20	22	21	0
145°	0	7	14	18	19	0
155°	1	4	8	11	14	0
165°	1	2	4	5	7	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	872.0	872.0	872.0	872.0	872.0
2.5°	882.8	870.1	871.6	868.9	864.3
5°	881.7	868.2	869.7	865.1	865.4
7.5°	878.6	864.7	866.6	865.8	867.8
10°	875.1	860.4	867.8	874.3	880.1
12.5°	868.9	855.8	873.6	892.9	904.8
15°	863.1	851.6	884.7	917.6	928.8
17.5°	857.3	850.0	898.6	927.2	925.7
20°	850.0	849.2	909.1	899.4	875.9
22.5°	841.9	849.6	901.0	830.3	784.0
25°	832.6	848.8	865.1	732.3	672.4
27.5°	823.4	845.4	799.8	625.0	565.9
30°	814.1	836.1	711.8	526.9	473.3
32.5°	803.3	816.0	616.1	440.1	390.6
35°	792.1	779.4	525.4	361.7	314.6
37.5°	780.5	726.5	443.9	293.0	262.9
40°	766.6	660.1	369.0	251.3	259.4
42.5°	749.3	585.2	303.0	263.6	320.0
45°	727.3	507.2	256.3	327.0	393.7
47.5°	699.5	432.3	244.7	374.4	395.3
50°	665.9	363.6	269.1	359.0	357.5
52.5°	614.9	306.5	293.8	327.3	339.7
55°	559.3	260.2	290.3	312.3	334.3
57.5°	489.1	228.9	266.4	309.2	334.7
60°	419.2	208.1	245.9	308.8	332.7
62.5°	342.0	189.1	235.5	301.5	315.8
65°	269.8	168.7	226.2	274.8	281.4
67.5°	206.9	147.8	210.0	245.1	258.2
70°	156.0	127.4	184.5	222.3	238.6
72.5°	112.3	108.1	158.3	202.3	219.3
75°	79.5	89.9	135.5	179.5	191.5
77.5°	54.8	73.3	116.2	154.4	164.1
80°	35.9	58.7	98.8	132.8	139.4
82.5°	21.6	47.1	85.7	116.2	119.7
85°	11.2	38.2	76.8	104.6	106.2
87.5°	3.5	32.0	71.8	99.2	101.1
90°	0.4	28.6	68.7	81.4	75.3
92.5°	0.0	27.0	59.4	55.6	49.8
95°	0.0	26.6	47.5	42.1	39.8
97.5°	0.0	25.9	39.0	35.1	34.0
100°	0.0	25.1	33.6	30.9	30.5
102.5°	0.0	24.7	30.5	28.2	27.8
105°	0.0	23.9	29.3	26.6	26.2
107.5°	0.0	22.8	28.6	25.9	25.1
110°	0.0	21.6	28.6	25.5	24.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	20.5	28.6	25.1	23.9
115°	0.0	19.7	28.2	25.1	23.9
117.5°	0.4	18.9	27.8	25.1	23.9
120°	0.0	18.1	27.0	25.1	23.5
122.5°	0.4	17.0	26.2	24.7	23.5
125°	0.4	15.8	25.1	24.3	23.2
127.5°	0.4	14.7	23.9	23.5	22.4
130°	0.4	13.5	22.8	23.2	22.0
132.5°	0.4	12.4	21.2	22.4	21.6
135°	0.4	11.2	20.1	22.0	21.2
137.5°	0.4	10.0	18.5	20.8	20.8
140°	0.4	8.9	17.0	20.1	20.5
142.5°	0.4	8.1	15.4	19.3	19.7
145°	0.4	6.9	13.9	17.8	18.9
147.5°	0.4	6.2	12.4	16.2	17.8
150°	0.4	5.4	10.8	14.7	16.2
152.5°	0.4	4.6	9.7	12.7	15.1
155°	0.8	4.2	8.5	11.2	13.5
157.5°	0.8	3.5	6.9	9.7	11.6
160°	0.8	3.1	6.2	8.1	10.4
162.5°	0.8	2.7	5.0	6.9	8.9
165°	0.8	2.3	4.2	5.4	7.3
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)