

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-L835-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-L835-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

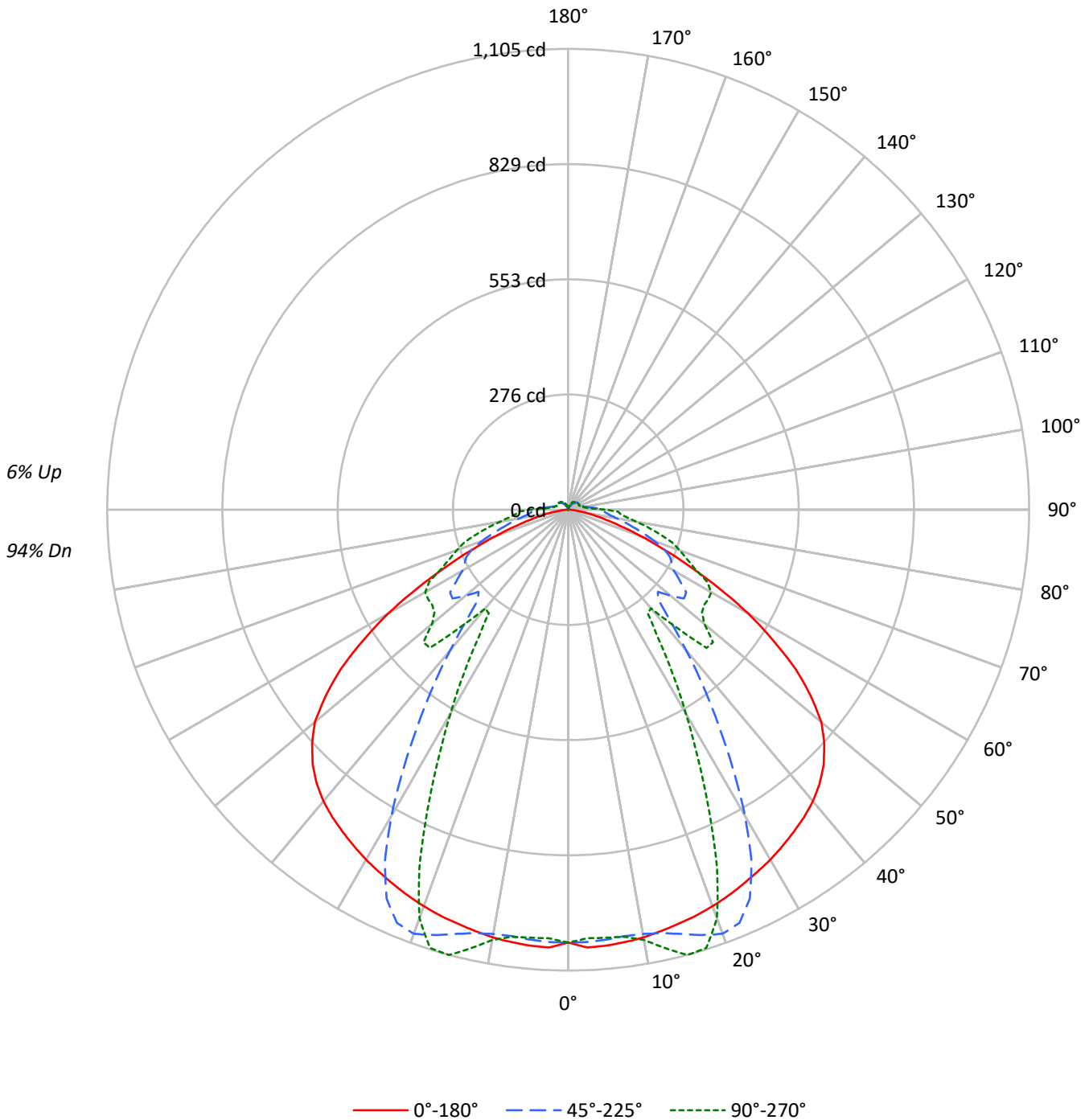
Lumens per Lamp: N/A
Luminaire Lumens: 2666.0 lumens
Efficiency: N/A
Efficacy: 148.1 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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



TEST NUMBER: P#
CATALOG NUMBER: 4SNLED-LD5-26SL-SLC-UNV-L835-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-26SL-SLC-UNV-L835-CD1-U

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°	8386	8386	8386
5°	8489	8191	8090
10°	8499	8066	8062
15°	8523	8179	8403
20°	8602	8423	7887
25°	8709	8095	6073
30°	8881	6780	4320
35°	9101	5135	2925
40°	9379	3733	2476
45°	9593	2708	3894
50°	9605	2998	3695
55°	8978	3451	3649
60°	7649	3158	3878
65°	5754	3184	3548
70°	4038	2899	3302
75°	2645	2429	2964
80°	1688	2080	2467
85°	909	1977	2213



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-26SL-SLC-UNV-L835-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.7	3.7
10°-20°	298.2	11.2
20°-30°	433.2	16.2
30°-40°	413.9	15.5
40°-50°	378.6	14.2
50°-60°	349.5	13.1
60°-70°	277.6	10.4
70°-80°	171.4	6.4
80°-90°	93.3	3.5
90°-100°	47.2	1.8
100°-110°	29.6	1.1
110°-120°	25.1	0.9
120°-130°	20.5	0.8
130°-140°	14.7	0.6
140°-150°	9.1	0.3
150°-160°	4.3	0.2
160°-170°	1.1	0.0
170°-180°	0.0	0.0
0°-30°	830.1	31.1
0°-40°	1243.9	46.7
0°-60°	1972.0	74.0
0°-90°	2514.4	94.3
90°-120°	101.9	3.8
90°-150°	146.2	5.5
90°-180°	152.0	5.7
0°-180°	2666.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1038	1038	1038	1038	1038	
5°	1049	1033	1035	1030	1030	100
15°	1027	1014	1053	1092	1105	291
25°	991	1010	1030	872	800	458
35°	943	928	625	430	374	591
45°	866	604	305	389	469	665
55°	666	310	346	372	398	586
65°	321	201	269	327	335	325
75°	95	107	161	214	228	107
85°	13	46	91	124	126	17
90°	0	34	82	97	90	1
95°	0	32	56	50	47	0
105°	0	28	35	32	31	0
115°	0	23	34	30	28	0
125°	0	19	30	29	28	0
135°	0	13	24	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



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-26SL-SLC-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1037.8	1037.8	1037.8	1037.8	1037.8
2.5°	1050.7	1035.6	1037.4	1034.2	1028.7
5°	1049.3	1033.3	1035.1	1029.6	1030.0
7.5°	1045.7	1029.1	1031.4	1030.5	1032.8
10°	1041.5	1024.1	1032.8	1040.6	1047.5
12.5°	1034.2	1018.6	1039.7	1062.7	1076.9
15°	1027.3	1013.5	1053.0	1092.1	1105.4
17.5°	1020.4	1011.7	1069.5	1103.5	1101.7
20°	1011.7	1010.7	1082.0	1070.5	1042.4
22.5°	1002.0	1011.2	1072.3	988.2	933.1
25°	991.0	1010.3	1029.6	871.5	800.3
27.5°	980.0	1006.1	951.9	743.8	673.5
30°	968.9	995.1	847.2	627.1	563.3
32.5°	956.1	971.2	733.2	523.7	464.9
35°	942.7	927.6	625.3	430.5	374.4
37.5°	929.0	864.6	528.3	348.7	312.9
40°	912.4	785.6	439.2	299.1	308.7
42.5°	891.8	696.5	360.7	313.8	380.9
45°	865.6	603.7	305.1	389.1	468.6
47.5°	832.5	514.6	291.3	445.6	470.5
50°	792.5	432.8	320.2	427.3	425.4
52.5°	731.9	364.8	349.6	389.6	404.3
55°	665.7	309.7	345.5	371.7	397.9
57.5°	582.1	272.4	317.0	368.0	398.3
60°	498.9	247.6	292.7	367.5	396.0
62.5°	407.1	225.1	280.3	358.8	375.8
65°	321.1	200.8	269.2	327.1	334.9
67.5°	246.3	176.0	249.9	291.7	307.4
70°	185.6	151.6	219.6	264.6	283.9
72.5°	133.7	128.6	188.4	240.7	261.0
75°	94.6	107.0	161.3	213.6	227.9
77.5°	65.2	87.3	138.3	183.8	195.3
80°	42.7	69.8	117.6	158.0	165.9
82.5°	25.7	56.1	102.0	138.3	142.4
85°	13.3	45.5	91.4	124.5	126.3
87.5°	4.1	38.1	85.5	118.1	120.4
90°	0.5	34.0	81.8	96.9	89.6
92.5°	0.0	32.2	70.8	66.2	59.3
95°	0.0	31.7	56.5	50.1	47.3
97.5°	0.0	30.8	46.4	41.8	40.4
100°	0.0	29.9	40.0	36.8	36.3
102.5°	0.0	29.4	36.3	33.5	33.1
105°	0.0	28.5	34.9	31.7	31.2
107.5°	0.0	27.1	34.0	30.8	29.9
110°	0.0	25.7	34.0	30.3	28.9



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-26SL-SLC-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.3	34.0	29.9	28.5
115°	0.0	23.4	33.5	29.9	28.5
117.5°	0.5	22.5	33.1	29.9	28.5
120°	0.0	21.6	32.2	29.9	28.0
122.5°	0.5	20.2	31.2	29.4	28.0
125°	0.5	18.8	29.9	28.9	27.6
127.5°	0.5	17.5	28.5	28.0	26.6
130°	0.5	16.1	27.1	27.6	26.2
132.5°	0.5	14.7	25.3	26.6	25.7
135°	0.5	13.3	23.9	26.2	25.3
137.5°	0.5	11.9	22.1	24.8	24.8
140°	0.5	10.6	20.2	23.9	24.3
142.5°	0.5	9.6	18.4	23.0	23.4
145°	0.5	8.3	16.5	21.1	22.5
147.5°	0.5	7.4	14.7	19.3	21.1
150°	0.5	6.4	12.9	17.5	19.3
152.5°	0.5	5.5	11.5	15.2	17.9
155°	0.9	5.1	10.1	13.3	16.1
157.5°	0.9	4.1	8.3	11.5	13.8
160°	0.9	3.7	7.4	9.6	12.4
162.5°	0.9	3.2	6.0	8.3	10.6
165°	0.9	2.8	5.1	6.4	8.7
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)