

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-LD5-83SL-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: 8SNLED-LD5-83SL-SLC-UNV-L835-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

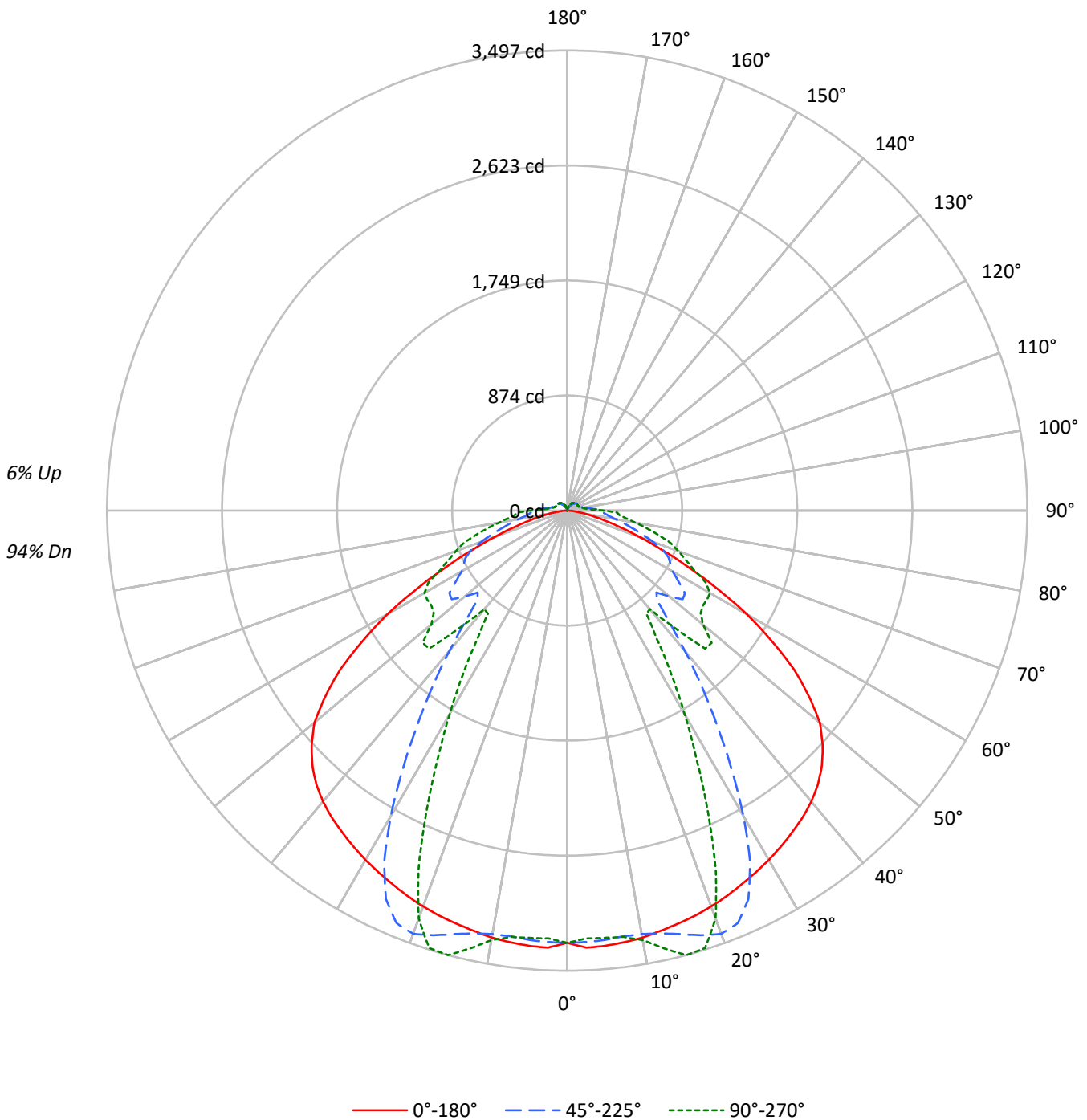
Lumens per Lamp: N/A
Luminaire Lumens: 8435.0 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 61
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				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°	13268	13268	13268
5°	13447	12969	12798
10°	13483	12784	12753
15°	13539	12975	13292
20°	13685	13373	12477
25°	13877	12864	9607
30°	14175	10784	6834
35°	14554	8175	4627
40°	15029	5949	3918
45°	15408	4321	6160
50°	15473	4790	5846
55°	14514	5520	5773
60°	12421	5059	6136
65°	9400	5113	5613
70°	6653	4665	5224
75°	4416	3920	4688
80°	2890	3372	3902
85°	1660	3224	3502



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.4	3.7
10°-20°	943.4	11.2
20°-30°	1370.5	16.2
30°-40°	1309.4	15.5
40°-50°	1197.8	14.2
50°-60°	1105.9	13.1
60°-70°	878.5	10.4
70°-80°	542.2	6.4
80°-90°	295.2	3.5
90°-100°	149.2	1.8
100°-110°	93.8	1.1
110°-120°	79.4	0.9
120°-130°	64.9	0.8
130°-140°	46.6	0.6
140°-150°	28.7	0.3
150°-160°	13.6	0.2
160°-170°	3.5	0.0
170°-180°	0.0	0.0
0°-30°	2626.3	31.1
0°-40°	3935.7	46.7
0°-60°	6239.4	74.0
0°-90°	7955.3	94.3
90°-120°	322.4	3.8
90°-150°	462.6	5.5
90°-180°	480.0	5.7
0°-180°	8435.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3284	3284	3284	3284	3284	
5°	3320	3269	3275	3258	3259	316
15°	3250	3207	3332	3455	3497	920
25°	3135	3196	3258	2758	2532	1449
35°	2983	2935	1978	1362	1185	1870
45°	2739	1910	965	1231	1483	2105
55°	2106	980	1093	1176	1259	1855
65°	1016	635	852	1035	1060	1027
75°	299	339	510	676	721	339
85°	42	144	289	394	400	54
90°	2	108	259	307	284	2
95°	0	100	179	158	150	0
105°	0	90	110	100	99	0
115°	0	74	106	94	90	1
125°	2	60	94	92	87	1
135°	2	42	76	83	80	1
145°	2	26	52	67	71	1
155°	3	16	32	42	51	1
165°	3	9	16	20	28	1
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°	3283.7	3283.7	3283.7	3283.7	3283.7
2.5°	3324.4	3276.4	3282.2	3272.0	3254.6
5°	3320.0	3269.1	3274.9	3257.5	3259.0
7.5°	3308.4	3256.0	3263.3	3260.4	3267.7
10°	3295.3	3240.1	3267.7	3292.4	3314.2
12.5°	3272.0	3222.6	3289.5	3362.2	3407.2
15°	3250.2	3206.6	3331.6	3455.2	3497.3
17.5°	3228.4	3200.8	3384.0	3491.5	3485.7
20°	3200.8	3197.9	3423.2	3386.9	3298.2
22.5°	3170.3	3199.4	3392.7	3126.7	2952.2
25°	3135.4	3196.4	3257.5	2757.5	2532.2
27.5°	3100.5	3183.4	3011.8	2353.4	2131.0
30°	3065.6	3148.5	2680.4	1984.2	1782.1
32.5°	3024.9	3072.9	2319.9	1657.1	1471.0
35°	2982.8	2934.8	1978.3	1362.0	1184.7
37.5°	2939.2	2735.7	1671.6	1103.3	989.9
40°	2886.8	2485.6	1389.6	946.3	976.8
42.5°	2821.4	2203.6	1141.1	992.8	1205.0
45°	2738.6	1910.0	965.2	1231.2	1482.7
47.5°	2633.9	1628.0	921.6	1410.0	1488.5
50°	2507.4	1369.3	1013.2	1351.8	1346.0
52.5°	2315.6	1154.2	1106.2	1232.6	1279.2
55°	2106.3	979.7	1093.1	1176.0	1258.8
57.5°	1841.7	862.0	1003.0	1164.3	1260.3
60°	1578.6	783.5	925.9	1162.9	1253.0
62.5°	1287.9	712.3	886.7	1135.3	1189.0
65°	1016.1	635.2	851.8	1035.0	1059.7
67.5°	779.1	556.7	790.8	923.0	972.5
70°	587.3	479.7	694.8	837.3	898.3
72.5°	423.0	407.0	596.0	761.7	825.6
75°	299.4	338.7	510.2	675.9	721.0
77.5°	206.4	276.2	437.5	581.4	617.8
80°	135.2	220.9	372.1	500.0	524.7
82.5°	81.4	177.3	322.7	437.5	450.6
85°	42.2	143.9	289.3	393.9	399.7
87.5°	13.1	120.6	270.4	373.6	380.8
90°	1.5	107.6	258.7	306.7	283.5
92.5°	0.0	101.8	223.9	209.3	187.5
95°	0.0	100.3	178.8	158.4	149.7
97.5°	0.0	97.4	146.8	132.3	127.9
100°	0.0	94.5	126.5	116.3	114.8
102.5°	0.0	93.0	114.8	106.1	104.7
105°	0.0	90.1	110.5	100.3	98.8
107.5°	0.0	85.8	107.6	97.4	94.5
110°	0.0	81.4	107.6	95.9	91.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	77.0	107.6	94.5	90.1
115°	0.0	74.1	106.1	94.5	90.1
117.5°	1.5	71.2	104.7	94.5	90.1
120°	0.0	68.3	101.8	94.5	88.7
122.5°	1.5	64.0	98.8	93.0	88.7
125°	1.5	59.6	94.5	91.6	87.2
127.5°	1.5	55.2	90.1	88.7	84.3
130°	1.5	50.9	85.8	87.2	82.9
132.5°	1.5	46.5	79.9	84.3	81.4
135°	1.5	42.2	75.6	82.9	79.9
137.5°	1.5	37.8	69.8	78.5	78.5
140°	1.5	33.4	64.0	75.6	77.0
142.5°	1.5	30.5	58.1	72.7	74.1
145°	1.5	26.2	52.3	66.9	71.2
147.5°	1.5	23.3	46.5	61.1	66.9
150°	1.5	20.4	40.7	55.2	61.1
152.5°	1.5	17.4	36.3	48.0	56.7
155°	2.9	16.0	32.0	42.2	50.9
157.5°	2.9	13.1	26.2	36.3	43.6
160°	2.9	11.6	23.3	30.5	39.2
162.5°	2.9	10.2	18.9	26.2	33.4
165°	2.9	8.7	16.0	20.4	27.6
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)