

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: **8ILED-LD5-14-N-TWBWG-UNV-L835-CD2-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 (P34186)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8ILED-LD5-14-N-TWBWG-UNV-L835-CD2-U
Description: Metalux 8' ILED WITH NARROW WITH THIN WHITE BAFFLE AND WIREGUARD DISTRIBUTION

Light Source: (1) 3500 CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

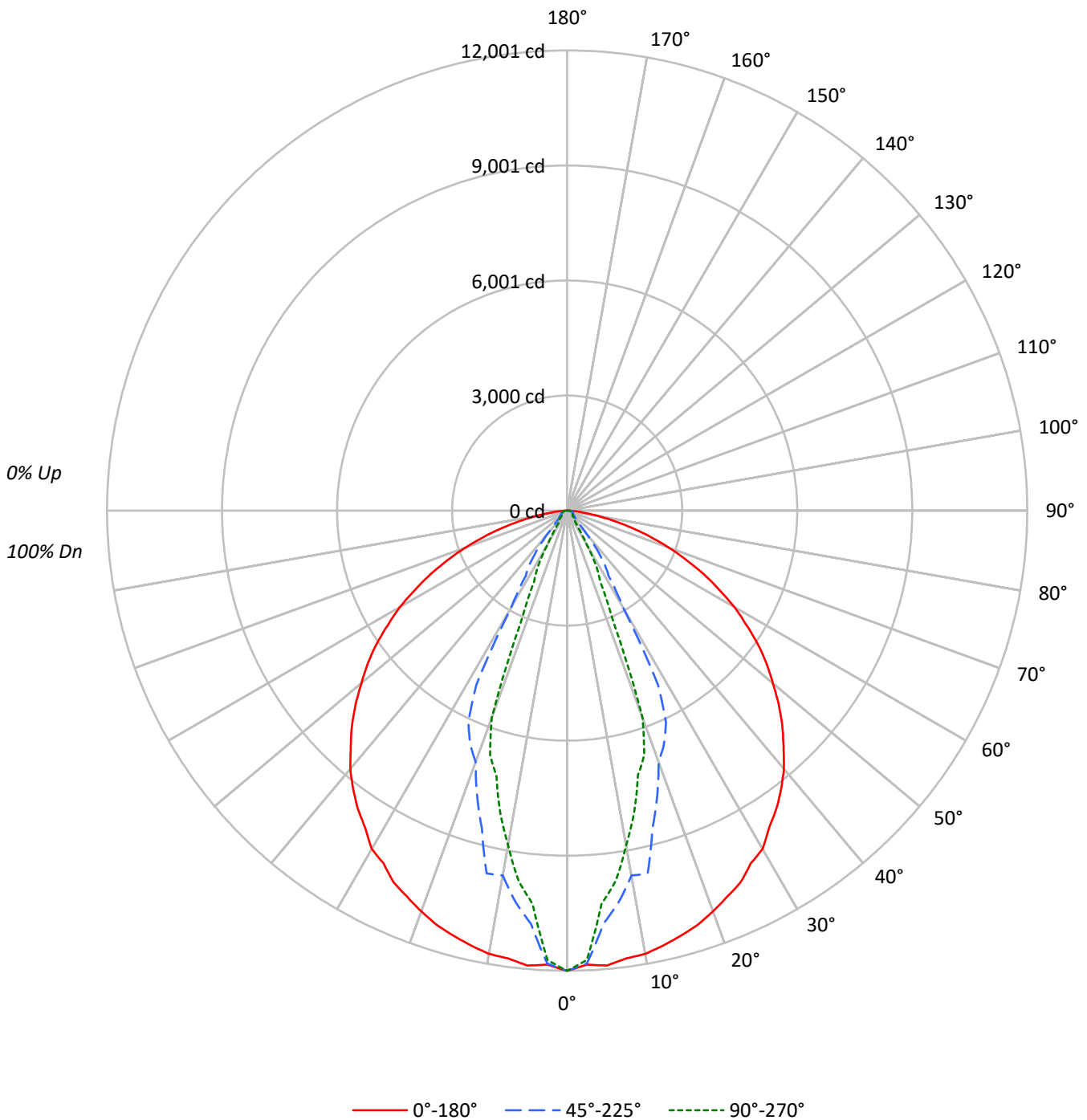
Lumens per Lamp: N/A
Luminaire Lumens: 11915.0 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 0.6 / 0.75
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 100.8
Input Voltage (V):
Input Current (A_{in}): 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	89	83	77	95	87	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	55	54
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	47	46
9	68	56	49	45	66	56	49	45	55	49	45	54	48	44	53	48	44	43
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17615	17615	17615
5°	17530	15829	15035
10°	17455	14190	12974
15°	17379	12763	10543
20°	17294	10565	8637
25°	17232	9499	3142
30°	17149	4734	1638
35°	16891	2866	624
40°	16681	1434	543
45°	16274	622	402
50°	15757	527	367
55°	15257	440	384
60°	14486	458	375
65°	13311	497	383
70°	11698	520	397
75°	9455	576	437
80°	6505	684	484
85°	3660	821	606



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1025.1	8.6
10°-20°	2485.2	20.9
20°-30°	2707.3	22.7
30°-40°	2082.6	17.5
40°-50°	1538.8	12.9
50°-60°	968.2	8.1
60°-70°	634.0	5.3
70°-80°	355.0	3.0
80°-90°	118.8	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6217.6	52.2
0°-40°	8300.2	69.7
0°-60°	10807.2	90.7
0°-90°	11915.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11915.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12001	12001	12001	12001	12001	
5°	11910	11818	10824	10185	10302	###
15°	11475	9976	8592	7459	7141	3240
25°	10702	7997	6100	2717	2039	4920
35°	9509	5893	1696	540	375	5947
45°	7938	3139	325	274	215	6113
55°	6069	804	193	203	174	5406
65°	3935	199	170	152	136	3881
75°	1745	150	134	120	108	1872
85°	248	95	97	93	81	317
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12001.2	12001.2	12001.2	12001.2	12001.2
2.5°	11853.3	11857.3	11827.7	11768.5	11731.1
5°	11910.5	11817.8	10824.1	10185.3	10301.7
7.5°	11780.4	11301.3	10301.7	9824.5	9731.9
10°	11737.0	10508.7	9664.8	9503.2	8872.2
12.5°	11612.8	10027.6	9694.4	8675.1	8069.8
15°	11474.8	9976.3	8592.3	7458.6	7141.2
17.5°	11324.9	9526.8	7807.6	6835.6	6683.8
20°	11121.9	9239.0	6975.6	6283.5	5749.2
22.5°	10903.0	9101.0	6599.0	4095.0	3174.3
25°	10701.9	7996.9	6100.2	2716.9	2038.6
27.5°	10370.7	7908.1	5124.2	1989.4	1681.8
30°	10191.3	7087.9	2931.8	1496.5	1027.2
32.5°	9802.8	6445.2	2007.1	908.9	613.2
35°	9509.1	5893.1	1695.6	540.2	374.6
37.5°	9164.0	5528.4	1267.7	370.7	325.3
40°	8797.3	5098.6	802.4	331.2	309.5
42.5°	8351.7	4591.9	475.2	311.5	266.2
45°	7937.7	3138.8	325.3	274.1	214.9
47.5°	7480.3	2141.2	278.0	232.7	185.3
50°	7003.2	1399.8	254.3	207.0	181.4
52.5°	6555.6	1147.5	220.8	207.0	181.4
55°	6068.6	804.4	193.2	203.1	173.5
57.5°	5534.3	500.8	181.4	197.2	167.6
60°	5041.4	295.7	179.4	191.2	151.8
62.5°	4465.7	224.8	175.5	169.6	143.9
65°	3935.3	199.1	169.6	151.8	136.0
67.5°	3365.5	179.4	157.7	145.9	132.1
70°	2819.4	161.7	149.8	136.0	120.3
72.5°	2271.3	155.8	142.0	128.2	114.4
75°	1744.9	149.8	134.1	120.3	108.4
77.5°	1269.7	140.0	126.2	116.3	102.5
80°	824.1	128.2	120.3	108.4	92.7
82.5°	459.4	116.3	110.4	100.6	88.7
85°	248.4	94.6	96.6	92.7	80.8
87.5°	45.3	67.0	82.8	80.8	71.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)