Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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-LD5-22-N-TWB-UNV-L835-CD2-U**

Issue Date: 3/3/2020

Report Generated By E9911574 / USPTCWHP6081592

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Test Information

Test Method:	LM-79-08
Report Number:	P#
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34185)
Test Lab:	INNOVATION CENTER-P3
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	METALUX
Catalog Number:	8ILED-LD5-22-N-TWB-UNV-L835-CD2-U
Description:	Metalux 8' ILED WITH NARROW WITH THIN WHITE BAFFLE DISTRIBUION
Light Source:	(1) 3500 CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19830.0 lumens
Efficiency:	N/A
Efficacy:	118.2 lumens/watt
Spacing Criteria (0/90/45):	1.27 / 0.59 / 0.77
Luminous Opening:	Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type:	Direct
Input Watts (W):	167.7
Input Voltage (V):	
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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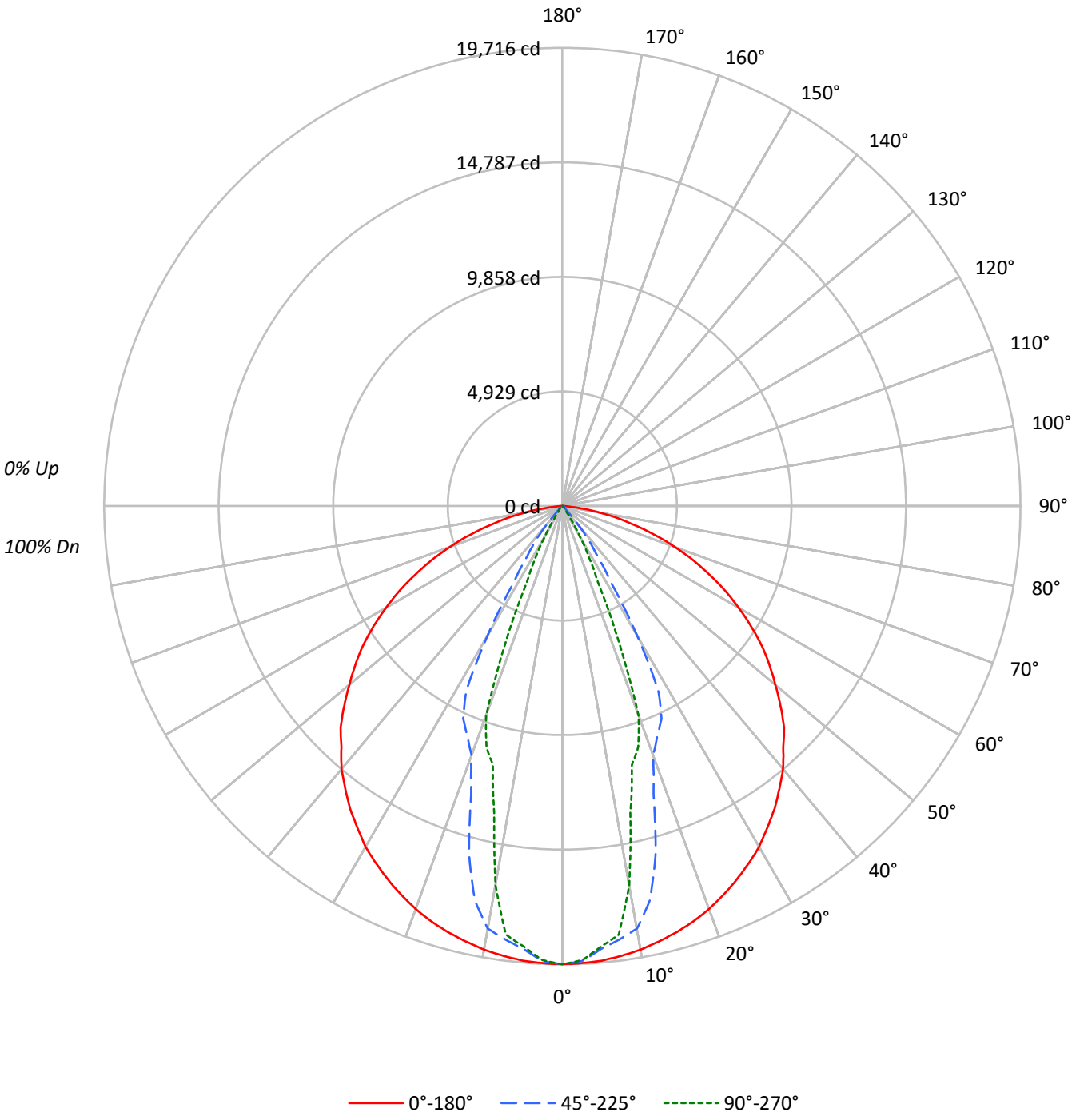
Luminous Intensity Polar Plot



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	66
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51
8	73	62	55	50	71	61	54	50	60	54	50	59	53	49	58	53	49	48
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28939	28939	28939
5°	28895	27971	27770
10°	28823	27106	24199
15°	28751	23018	17039
20°	28693	17292	14407
25°	28564	15724	5594
30°	28499	10415	2384
35°	28271	4436	527
40°	28026	1957	376
45°	27668	468	174
50°	26923	289	94
55°	26341	184	96
60°	25174	167	100
65°	23621	173	105
70°	21381	183	113
75°	17751	213	125
80°	12856	247	113
85°	4343	263	139

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1811.1	9.1
10°-20°	4322.6	21.8
20°-30°	4726.3	23.8
30°-40°	3420.4	17.2
40°-50°	2552.6	12.9
50°-60°	1490.5	7.5
60°-70°	926.6	4.7
70°-80°	483.3	2.4
80°-90°	96.5	0.5
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°	10860.0	54.8
0°-40°	14280.4	72.0
0°-60°	18323.6	92.4
0°-90°	19830.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19830.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19716	19716	19716	19716	19716	
5°	19632	19561	19126	19067	19027	###
15°	18984	18317	15497	12118	11541	5361
25°	17740	15059	10098	5265	3630	8183
35°	15915	9708	2625	568	316	9951
45°	13496	6344	245	168	93	10363
55°	10477	1229	81	93	43	9328
65°	6984	102	59	56	37	6905
75°	3276	62	50	40	31	3511
85°	295	40	31	28	19	558
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*19715.8*	*19715.8*	*19715.8*	*19715.8*	*19715.8*
2.5°	*19684.8*	19709.6	19591.7	19591.7	19557.6
5°	*19632.1*	19560.7	19126.4	19067.4	19027.1
7.5°	*19517.3*	19238.1	18813.0	18735.5	18602.1
10°	*19380.8*	18890.6	18462.5	17358.0	16548.3
12.5°	*19188.4*	18602.1	17389.0	14652.7	13529.6
15°	*18983.7*	18316.7	15496.6	12118.0	11541.0
17.5°	*18741.7*	17938.2	13036.3	11112.8	10864.7
20°	*18453.2*	17323.9	11416.9	10421.0	9589.6
22.5°	*18115.0*	16371.4	10684.7	8661.9	6418.9
25°	*17739.6*	15059.1	10098.4	5264.8	3629.8
27.5°	*17345.6*	13507.9	8938.1	3198.6	2478.8
30°	*16936.1*	11913.3	6449.9	2292.7	1495.4
32.5°	*16411.8*	10610.3	3912.1	1290.6	667.0
35°	*15915.4*	9707.5	2624.6	567.7	316.4
37.5°	*15341.4*	9083.9	1917.3	300.9	223.4
40°	*14779.9*	8475.8	1095.2	226.5	214.1
42.5°	*14072.6*	7718.8	462.3	214.1	152.0
45°	*13495.5*	6344.4	245.1	167.5	93.1
47.5°	*12732.3*	4343.4	164.4	130.3	58.9
50°	*11966.0*	2683.6	139.6	102.4	46.5
52.5°	*11236.9*	1777.7	102.4	96.2	43.4
55°	*10476.9*	1228.6	80.7	93.1	43.4
57.5°	*9633.0*	605.0	68.3	90.0	40.3
60°	*8761.2*	235.8	65.2	86.9	40.3
62.5°	*7898.7*	130.3	62.0	71.4	37.2
65°	*6983.5*	102.4	58.9	55.8	37.2
67.5°	*6077.6*	83.8	55.8	52.7	37.2
70°	*5153.1*	74.5	52.7	46.5	34.1
72.5°	*4210.0*	68.3	49.6	46.5	31.0
75°	*3276.1*	62.0	49.6	40.3	31.0
77.5°	*2450.9*	58.9	46.5	40.3	24.8
80°	*1628.8*	52.7	43.4	34.1	21.7
82.5°	*899.7*	49.6	37.2	31.0	21.7
85°	*294.7*	40.3	31.0	27.9	18.6
87.5°	*46.5*	27.9	24.8	24.8	15.5
90°	*0.0*	0.0	0.0	0.0	0.0

(END OF REPORT)