

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: P412705

Luminaire Tested: **22PD-25-PP3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-25-PP3-L835
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

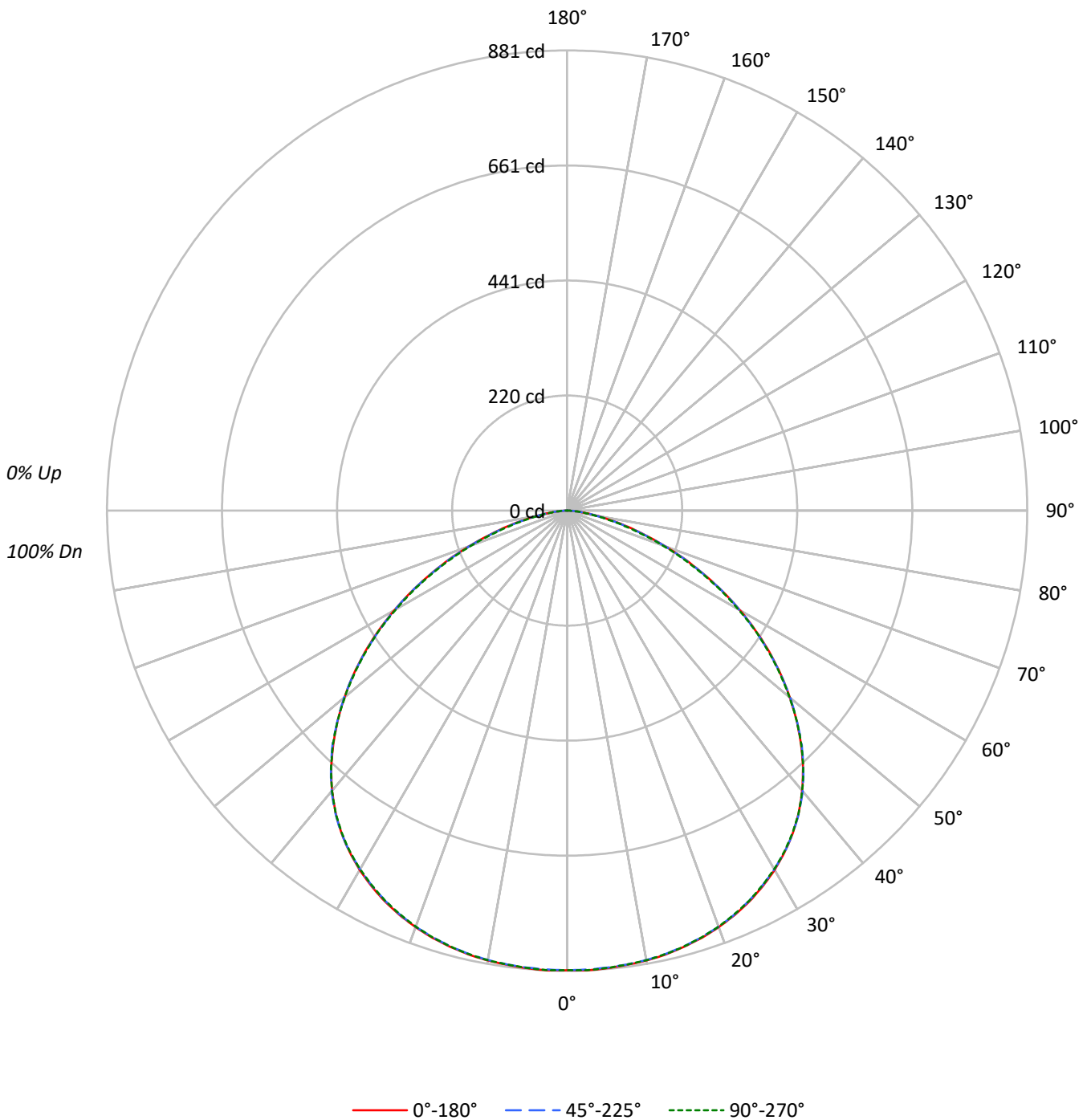
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2525.0 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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: P412705
CATALOG NUMBER: 22PD-25-PP3-L835

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2368	2368	2368
5°	2376	2373	2374
10°	2390	2387	2389
15°	2409	2407	2407
20°	2430	2428	2427
25°	2452	2447	2447
30°	2469	2464	2463
35°	2476	2476	2473
40°	2460	2465	2460
45°	2411	2418	2414
50°	2330	2334	2328
55°	2218	2213	2208
60°	2059	2054	2039
65°	1840	1838	1817
70°	1572	1563	1528
75°	1253	1216	1179
80°	893	874	829
85°	580	580	562



TEST NUMBER: P412705

CATALOG NUMBER: 22PD-25-PP3-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.7	3.3
10°-20°	244.1	9.7
20°-30°	380.1	15.1
30°-40°	470.5	18.6
40°-50°	487.9	19.3
50°-60°	420.5	16.7
60°-70°	285.9	11.3
70°-80°	127.9	5.1
80°-90°	24.4	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°	708.0	28.0
0°-40°	1178.5	46.7
0°-60°	2086.8	82.6
0°-90°	2525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2525.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	880	880	880	880	880	
5°	880	878	878	878	879	84
15°	865	863	864	863	864	244
25°	826	824	824	824	824	381
35°	754	753	754	752	753	471
45°	634	633	635	634	634	488
55°	473	471	472	471	471	422
65°	289	291	289	288	285	287
75°	120	121	117	116	113	130
85°	19	19	19	18	18	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	880.1	880.1	880.1	880.1	880.1
2.5°	881.3	879.5	879.5	879.8	880.7
5°	879.5	877.7	878.3	878.0	878.9
7.5°	877.1	875.7	876.5	876.0	876.5
10°	874.8	873.3	873.6	873.3	874.2
12.5°	870.7	868.9	869.5	869.5	869.8
15°	864.8	863.3	863.9	863.3	863.9
17.5°	857.7	856.0	856.3	856.0	856.6
20°	848.6	847.5	847.8	847.2	847.5
22.5°	838.3	836.9	837.2	836.6	836.6
25°	825.7	824.5	824.2	824.0	824.2
27.5°	811.0	809.6	809.6	809.3	809.3
30°	794.6	793.1	793.1	792.8	792.8
32.5°	775.2	774.6	774.9	774.3	774.0
35°	753.7	752.8	753.7	752.5	752.8
37.5°	728.7	727.6	729.3	728.2	728.4
40°	700.2	699.7	701.7	700.8	700.2
42.5°	668.5	668.5	669.4	669.7	669.1
45°	633.5	632.9	635.3	633.8	634.4
47.5°	595.9	595.0	596.8	596.5	596.2
50°	556.5	556.0	557.4	556.0	556.0
52.5°	515.7	515.4	515.7	514.2	513.9
55°	472.8	471.0	471.6	470.7	470.7
57.5°	428.1	426.1	426.4	426.1	426.4
60°	382.6	382.0	381.7	380.2	378.8
62.5°	335.9	336.5	336.2	334.1	332.6
65°	288.9	291.2	288.6	287.7	285.3
67.5°	244.5	245.4	243.6	241.5	238.9
70°	199.8	201.6	198.6	196.6	194.2
72.5°	157.2	158.4	155.7	154.6	151.6
75°	120.5	120.8	117.0	116.4	113.4
77.5°	85.8	87.0	84.0	84.0	81.1
80°	57.6	59.7	56.4	55.5	53.5
82.5°	36.1	36.4	35.6	34.7	33.8
85°	18.8	19.4	18.8	18.2	18.2
87.5°	7.1	7.3	7.1	6.8	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)