

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: P412435

Luminaire Tested: **22PD-65-PB1-L835**

Issue Date: 9/15/2020



**Test Information**

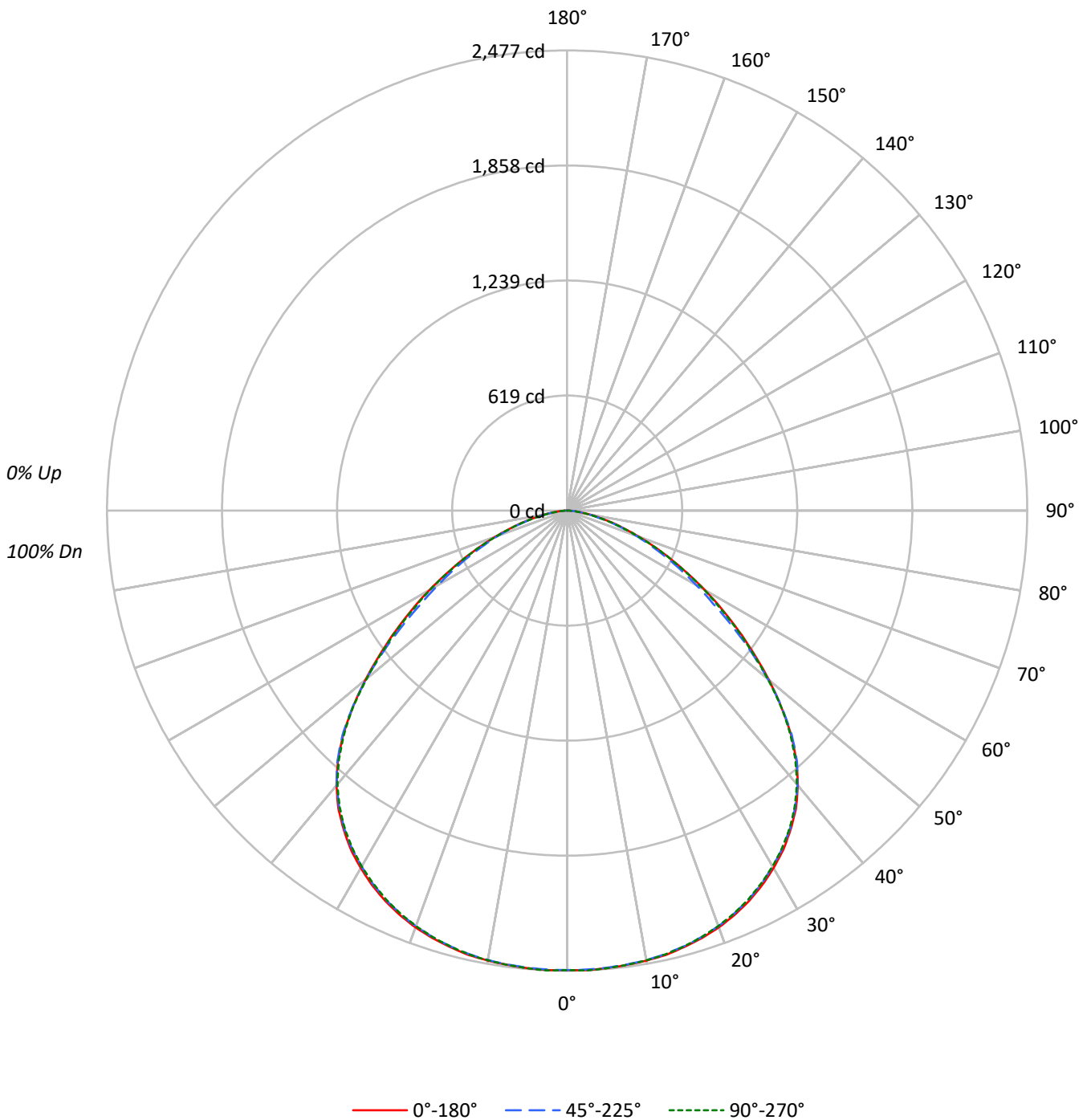
Test Method: LM-79-08  
Report Number: P412435  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-65-PB1-L835  
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6494.0 lumens  
Efficiency: N/A  
Efficacy: 112.2 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 57.9  
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: P412435  
CATALOG NUMBER: 22PD-65-PB1-L835

### Luminous Intensity Polar Plot





TEST NUMBER: P412435

CATALOG NUMBER: 22PD-65-PB1-L835

**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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	41	34	29	41	34	29	40	33	29	39	33	29	27

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6656	6656	6656
5°	6678	6671	6680
10°	6721	6713	6717
15°	6776	6765	6765
20°	6838	6818	6814
25°	6881	6861	6854
30°	6904	6875	6871
35°	6889	6869	6857
40°	6787	6779	6757
45°	6488	6508	6459
50°	5940	5908	5901
55°	5278	5092	5243
60°	4602	4322	4574
65°	3901	3692	3882
70°	3226	3093	3195
75°	2609	2441	2505
80°	1884	1826	1813
85°	1229	1229	1179



TEST NUMBER: P412435

CATALOG NUMBER: 22PD-65-PB1-L835

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	235.4	3.6
10°-20°	686.4	10.6
20°-30°	1065.1	16.4
30°-40°	1306.2	20.1
40°-50°	1305.7	20.1
50°-60°	989.0	15.2
60°-70°	593.2	9.1
70°-80°	261.2	4.0
80°-90°	51.8	0.8
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°	1986.9	30.6
0°-40°	3293.1	50.7
0°-60°	5587.8	86.0
0°-90°	6494.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6494.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2474	2474	2474	2474	2474	
5°	2472	2469	2470	2469	2473	236
15°	2432	2430	2428	2427	2428	688
25°	2318	2313	2311	2307	2308	1068
35°	2097	2096	2091	2090	2087	1310
45°	1705	1707	1710	1706	1697	1305
55°	1125	1101	1085	1100	1118	1009
65°	613	591	580	590	610	613
75°	251	246	235	239	241	268
85°	40	41	40	38	38	53
90°	0	0	0	0	0	



TEST NUMBER: P412435

CATALOG NUMBER: 22PD-65-PB1-L835

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2473.6	2473.6	2473.6	2473.6	2473.6
2.5°	2475.9	2472.0	2472.8	2472.8	2477.4
5°	2472.0	2469.0	2469.7	2469.0	2472.8
7.5°	2466.7	2463.6	2464.4	2463.6	2465.9
10°	2459.8	2456.7	2456.7	2455.2	2458.3
12.5°	2450.6	2446.8	2445.3	2444.5	2446.8
15°	2432.3	2430.0	2428.4	2426.9	2428.4
17.5°	2412.4	2408.5	2407.0	2404.0	2407.0
20°	2387.9	2382.5	2381.0	2378.7	2379.5
22.5°	2355.8	2351.2	2348.9	2345.1	2346.6
25°	2317.5	2312.9	2310.6	2306.8	2308.3
27.5°	2273.2	2270.1	2264.8	2261.7	2262.5
30°	2221.9	2218.9	2212.7	2211.2	2211.2
32.5°	2165.3	2161.5	2156.1	2154.6	2153.8
35°	2097.2	2096.5	2091.1	2089.6	2087.3
37.5°	2023.1	2021.5	2015.4	2013.9	2011.6
40°	1932.0	1930.5	1929.7	1926.7	1923.6
42.5°	1826.5	1828.8	1830.3	1824.2	1818.1
45°	1704.9	1707.2	1710.2	1705.6	1697.2
47.5°	1562.6	1571.8	1567.2	1570.3	1561.8
50°	1418.8	1418.8	1411.2	1414.2	1409.6
52.5°	1268.1	1255.9	1246.7	1252.8	1259.0
55°	1125.1	1100.6	1085.3	1099.9	1117.5
57.5°	988.2	959.1	930.8	953.8	975.2
60°	855.1	821.5	803.1	819.9	849.8
62.5°	728.9	704.4	686.1	699.1	724.3
65°	612.7	591.2	579.8	589.7	609.6
67.5°	506.3	491.8	480.3	488.7	504.0
70°	410.0	406.1	393.1	397.0	406.1
72.5°	322.0	321.2	309.8	312.8	318.2
75°	250.9	245.5	234.8	238.6	240.9
77.5°	177.4	179.7	169.8	172.1	172.1
80°	121.6	125.4	117.8	116.3	117.0
82.5°	77.3	77.3	76.5	75.7	73.4
85°	39.8	41.3	39.8	38.2	38.2
87.5°	15.3	15.3	15.3	14.5	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)