

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: P412466

Luminaire Tested: **22PD-80-PB1-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412466
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-80-PB1-L930
Description: 8000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

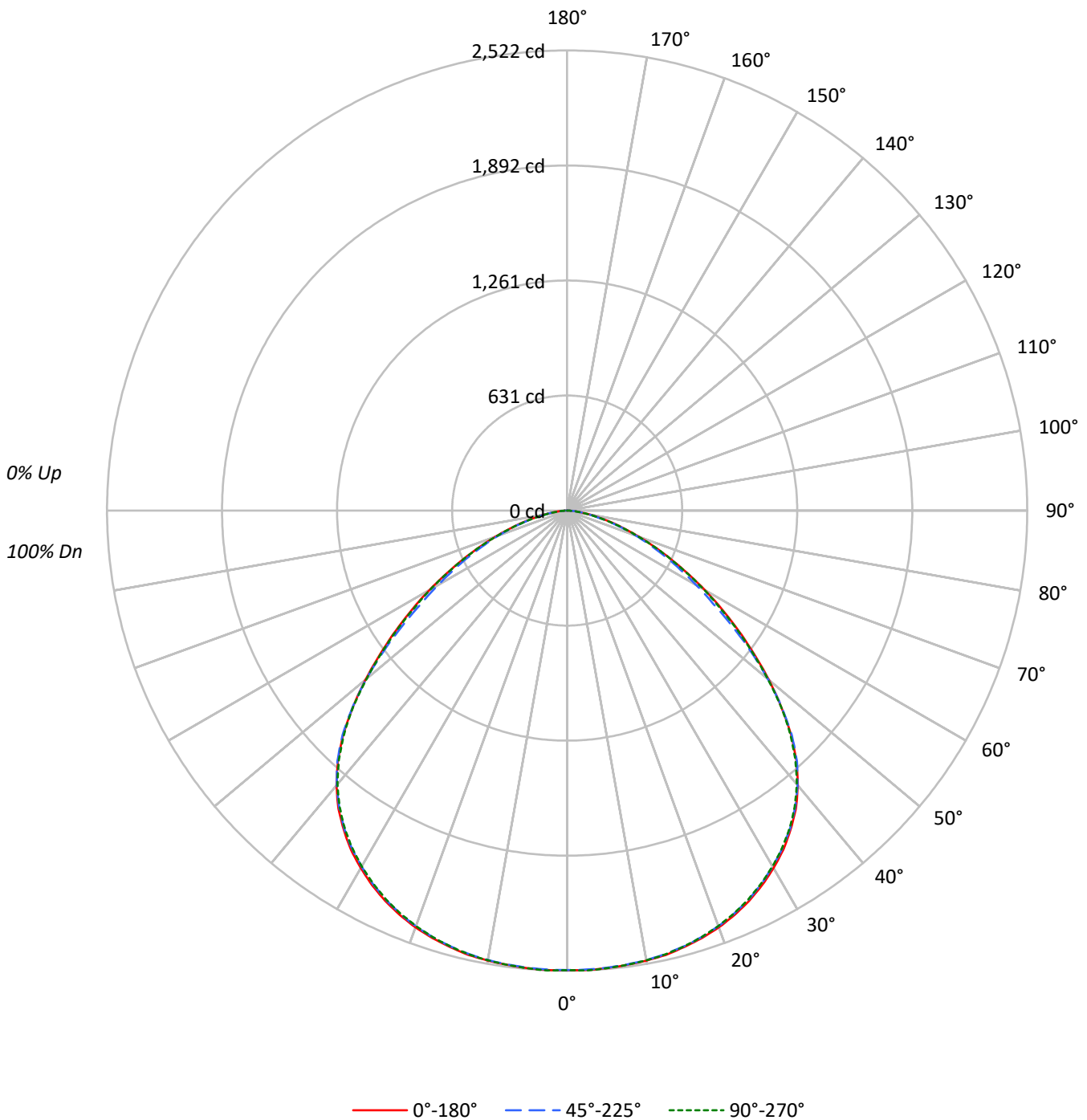
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6612.0 lumens
Efficiency: N/A
Efficacy: 91.1 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): 72.6
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: P412466
CATALOG NUMBER: 22PD-80-PB1-L930

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	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					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°	6777	6777	6777
5°	6799	6793	6801
10°	6844	6835	6839
15°	6899	6888	6888
20°	6962	6942	6938
25°	7006	6985	6978
30°	7030	7000	6996
35°	7015	6994	6981
40°	6910	6902	6880
45°	6606	6627	6576
50°	6048	6015	6009
55°	5375	5185	5338
60°	4686	4401	4656
65°	3972	3759	3952
70°	3284	3150	3253
75°	2655	2486	2550
80°	1918	1858	1847
85°	1250	1250	1201



TEST NUMBER: P412466

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.6	3.6
10°-20°	698.9	10.6
20°-30°	1084.5	16.4
30°-40°	1329.9	20.1
40°-50°	1329.4	20.1
50°-60°	1007.0	15.2
60°-70°	604.0	9.1
70°-80°	265.9	4.0
80°-90°	52.8	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°	2023.0	30.6
0°-40°	3352.9	50.7
0°-60°	5689.4	86.0
0°-90°	6612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6612.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2518	2518	2518	2518	2518	
5°	2517	2514	2515	2514	2518	240
15°	2476	2474	2473	2471	2473	700
25°	2360	2355	2353	2349	2350	1088
35°	2135	2135	2129	2128	2125	1334
45°	1736	1738	1741	1737	1728	1329
55°	1146	1121	1105	1120	1138	1027
65°	624	602	590	600	621	624
75°	255	250	239	243	245	272
85°	40	42	40	39	39	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2518.5	2518.5	2518.5	2518.5	2518.5
2.5°	2520.8	2516.9	2517.7	2517.7	2522.4
5°	2516.9	2513.8	2514.6	2513.8	2517.7
7.5°	2511.5	2508.4	2509.2	2508.4	2510.7
10°	2504.5	2501.4	2501.4	2499.8	2502.9
12.5°	2495.1	2491.2	2489.7	2488.9	2491.2
15°	2476.5	2474.1	2472.6	2471.0	2472.6
17.5°	2456.2	2452.3	2450.8	2447.6	2450.8
20°	2431.3	2425.8	2424.3	2421.9	2422.7
22.5°	2398.6	2393.9	2391.6	2387.7	2389.2
25°	2359.6	2355.0	2352.6	2348.7	2350.3
27.5°	2314.5	2311.4	2305.9	2302.8	2303.6
30°	2262.3	2259.2	2252.9	2251.4	2251.4
32.5°	2204.7	2200.8	2195.3	2193.8	2193.0
35°	2135.4	2134.6	2129.1	2127.6	2125.2
37.5°	2059.8	2058.3	2052.0	2050.5	2048.1
40°	1967.1	1965.6	1964.8	1961.7	1958.6
42.5°	1859.7	1862.0	1863.6	1857.3	1851.1
45°	1735.9	1738.2	1741.3	1736.6	1728.1
47.5°	1591.0	1600.3	1595.7	1598.8	1590.2
50°	1444.6	1444.6	1436.8	1439.9	1435.3
52.5°	1291.2	1278.7	1269.4	1275.6	1281.8
55°	1145.6	1120.6	1105.1	1119.9	1137.8
57.5°	1006.2	976.6	947.7	971.1	992.9
60°	870.7	836.4	817.7	834.8	865.2
62.5°	742.2	717.2	698.5	711.8	737.5
65°	623.8	602.0	590.3	600.4	620.7
67.5°	515.5	500.7	489.1	497.6	513.2
70°	417.4	413.5	400.3	404.2	413.5
72.5°	327.9	327.1	315.4	318.5	324.0
75°	255.4	250.0	239.1	243.0	245.3
77.5°	180.7	183.0	172.9	175.2	175.2
80°	123.8	127.7	119.9	118.4	119.2
82.5°	78.7	78.7	77.9	77.1	74.8
85°	40.5	42.1	40.5	38.9	38.9
87.5°	15.6	15.6	15.6	14.8	14.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)