

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: P412442

Luminaire Tested: **22PD-65-PB1-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412442
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-L950
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

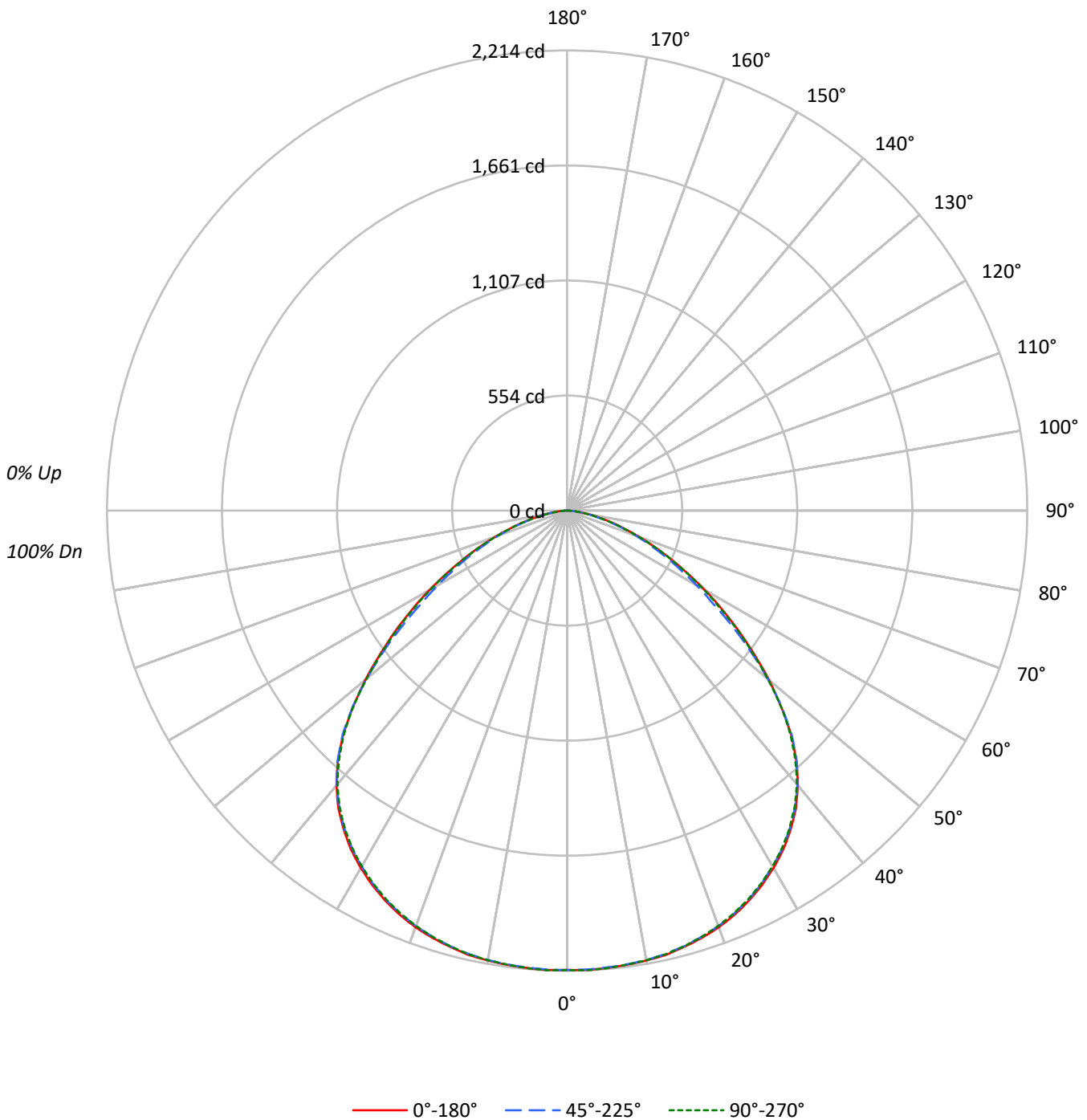
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5803.0 lumens
Efficiency: N/A
Efficacy: 100.2 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 (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	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°	5948	5948	5948
5°	5967	5961	5969
10°	6006	5999	6002
15°	6055	6045	6045
20°	6111	6093	6089
25°	6149	6131	6124
30°	6169	6144	6140
35°	6157	6138	6127
40°	6065	6058	6038
45°	5798	5816	5772
50°	5308	5279	5273
55°	4717	4550	4685
60°	4112	3862	4087
65°	3486	3299	3468
70°	2882	2764	2855
75°	2331	2181	2239
80°	1684	1632	1621
85°	1096	1096	1056



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.3	3.6
10°-20°	613.4	10.6
20°-30°	951.8	16.4
30°-40°	1167.2	20.1
40°-50°	1166.7	20.1
50°-60°	883.8	15.2
60°-70°	530.1	9.1
70°-80°	233.4	4.0
80°-90°	46.3	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°	1775.5	30.6
0°-40°	2942.7	50.7
0°-60°	4993.2	86.0
0°-90°	5803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5803.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2210	2210	2210	2210	2210	
5°	2209	2206	2207	2206	2210	211
15°	2173	2171	2170	2169	2170	615
25°	2071	2067	2065	2061	2063	955
35°	1874	1873	1869	1867	1865	1170
45°	1524	1526	1528	1524	1517	1166
55°	1005	984	970	983	999	901
65°	548	528	518	527	545	548
75°	224	219	210	213	215	239
85°	36	37	36	34	34	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2210.4	2210.4	2210.4	2210.4	2210.4
2.5°	2212.4	2209.0	2209.7	2209.7	2213.8
5°	2209.0	2206.3	2206.9	2206.3	2209.7
7.5°	2204.2	2201.5	2202.2	2201.5	2203.5
10°	2198.1	2195.3	2195.3	2194.0	2196.7
12.5°	2189.9	2186.4	2185.1	2184.4	2186.4
15°	2173.4	2171.4	2170.0	2168.7	2170.0
17.5°	2155.7	2152.3	2150.9	2148.2	2150.9
20°	2133.8	2129.0	2127.7	2125.6	2126.3
22.5°	2105.1	2101.0	2099.0	2095.5	2096.9
25°	2070.9	2066.8	2064.8	2061.4	2062.7
27.5°	2031.3	2028.6	2023.8	2021.0	2021.7
30°	1985.5	1982.8	1977.3	1975.9	1975.9
32.5°	1934.9	1931.5	1926.7	1925.3	1924.7
35°	1874.1	1873.4	1868.6	1867.3	1865.2
37.5°	1807.8	1806.4	1801.0	1799.6	1797.5
40°	1726.5	1725.1	1724.4	1721.7	1718.9
42.5°	1632.1	1634.2	1635.6	1630.1	1624.6
45°	1523.5	1525.5	1528.2	1524.1	1516.6
47.5°	1396.3	1404.5	1400.4	1403.2	1395.7
50°	1267.8	1267.8	1261.0	1263.7	1259.6
52.5°	1133.2	1122.3	1114.1	1119.5	1125.0
55°	1005.4	983.5	969.9	982.8	998.6
57.5°	883.0	857.1	831.8	852.3	871.4
60°	764.1	734.1	717.6	732.7	759.3
62.5°	651.4	629.5	613.1	624.7	647.3
65°	547.5	528.3	518.1	527.0	544.7
67.5°	452.5	439.5	429.2	436.7	450.4
70°	366.3	362.9	351.3	354.7	362.9
72.5°	287.7	287.1	276.8	279.5	284.3
75°	224.2	219.4	209.8	213.2	215.3
77.5°	158.6	160.6	151.7	153.8	153.8
80°	108.7	112.1	105.3	103.9	104.6
82.5°	69.0	69.0	68.3	67.7	65.6
85°	35.5	36.9	35.5	34.2	34.2
87.5°	13.7	13.7	13.7	13.0	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)