

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: P412441

Luminaire Tested: **22PD-65-PB1-L940**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412441
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-L940
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

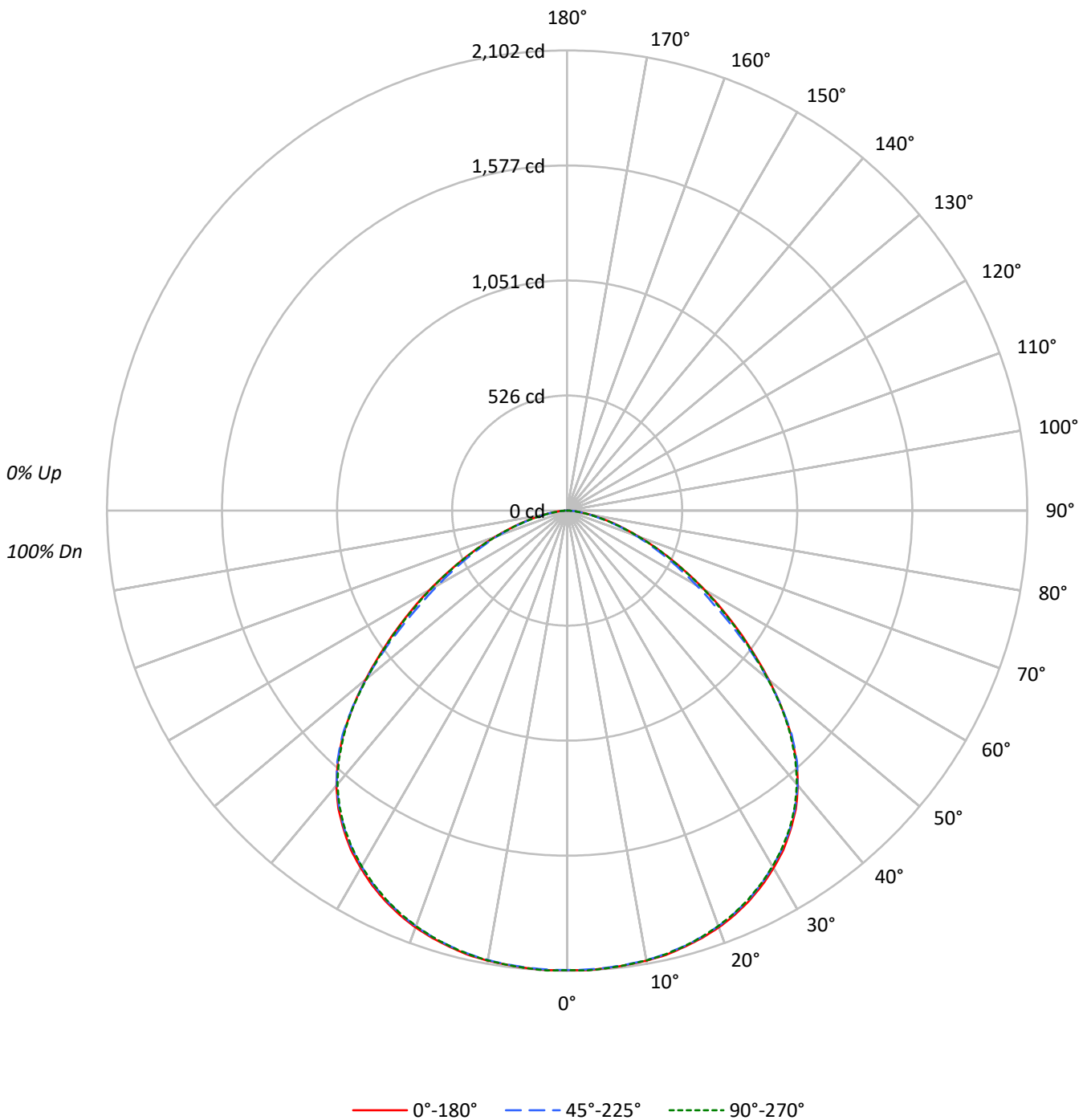
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5511.0 lumens
Efficiency: N/A
Efficacy: 95.2 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

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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°	5649	5649	5649
5°	5667	5662	5669
10°	5704	5697	5701
15°	5750	5741	5741
20°	5803	5786	5783
25°	5839	5822	5816
30°	5859	5835	5831
35°	5847	5830	5819
40°	5760	5753	5734
45°	5506	5523	5481
50°	5040	5014	5008
55°	4480	4321	4449
60°	3906	3668	3881
65°	3310	3133	3294
70°	2737	2625	2712
75°	2214	2072	2126
80°	1599	1550	1539
85°	1044	1044	1003



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.7	3.6
10°-20°	582.5	10.6
20°-30°	903.9	16.4
30°-40°	1108.5	20.1
40°-50°	1108.1	20.1
50°-60°	839.3	15.2
60°-70°	503.4	9.1
70°-80°	221.7	4.0
80°-90°	44.0	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°	1686.2	30.6
0°-40°	2794.6	50.7
0°-60°	4742.0	86.0
0°-90°	5511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5511.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2099	2099	2099	2099	2099	
5°	2098	2095	2096	2095	2098	200
15°	2064	2062	2061	2060	2061	584
25°	1967	1963	1961	1958	1959	907
35°	1780	1779	1775	1773	1771	1112
45°	1447	1449	1451	1448	1440	1108
55°	955	934	921	933	948	856
65°	520	502	492	500	517	520
75°	213	208	199	202	204	227
85°	34	35	34	32	32	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2099.1	2099.1	2099.1	2099.1	2099.1
2.5°	2101.1	2097.8	2098.5	2098.5	2102.4
5°	2097.8	2095.2	2095.9	2095.2	2098.5
7.5°	2093.3	2090.7	2091.3	2090.7	2092.6
10°	2087.5	2084.9	2084.9	2083.6	2086.2
12.5°	2079.7	2076.4	2075.1	2074.5	2076.4
15°	2064.1	2062.1	2060.8	2059.5	2060.8
17.5°	2047.2	2044.0	2042.7	2040.1	2042.7
20°	2026.4	2021.9	2020.6	2018.6	2019.3
22.5°	1999.2	1995.3	1993.3	1990.1	1991.4
25°	1966.7	1962.8	1960.9	1957.6	1958.9
27.5°	1929.1	1926.5	1921.9	1919.3	1920.0
30°	1885.6	1883.0	1877.8	1876.5	1876.5
32.5°	1837.6	1834.3	1829.8	1828.5	1827.8
35°	1779.8	1779.1	1774.6	1773.3	1771.3
37.5°	1716.8	1715.5	1710.3	1709.0	1707.1
40°	1639.6	1638.3	1637.6	1635.0	1632.4
42.5°	1550.0	1552.0	1553.3	1548.1	1542.9
45°	1446.8	1448.8	1451.3	1447.5	1440.3
47.5°	1326.1	1333.9	1330.0	1332.6	1325.4
50°	1204.0	1204.0	1197.6	1200.2	1196.3
52.5°	1076.2	1065.8	1058.0	1063.2	1068.4
55°	954.8	934.0	921.0	933.4	948.3
57.5°	838.6	813.9	789.9	809.4	827.6
60°	725.7	697.1	681.5	695.8	721.1
62.5°	618.6	597.8	582.2	593.3	614.7
65°	519.9	501.7	492.0	500.4	517.3
67.5°	429.7	417.4	407.6	414.8	427.7
70°	347.9	344.7	333.6	336.9	344.7
72.5°	273.3	272.6	262.9	265.5	270.0
75°	212.9	208.4	199.3	202.5	204.5
77.5°	150.6	152.5	144.1	146.0	146.0
80°	103.2	106.4	100.0	98.7	99.3
82.5°	65.6	65.6	64.9	64.3	62.3
85°	33.8	35.1	33.8	32.5	32.5
87.5°	13.0	13.0	13.0	12.3	11.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)