

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: P412910

Luminaire Tested: **24PD-70-PP3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412910
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-70-PP3-L950
Description: 7000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

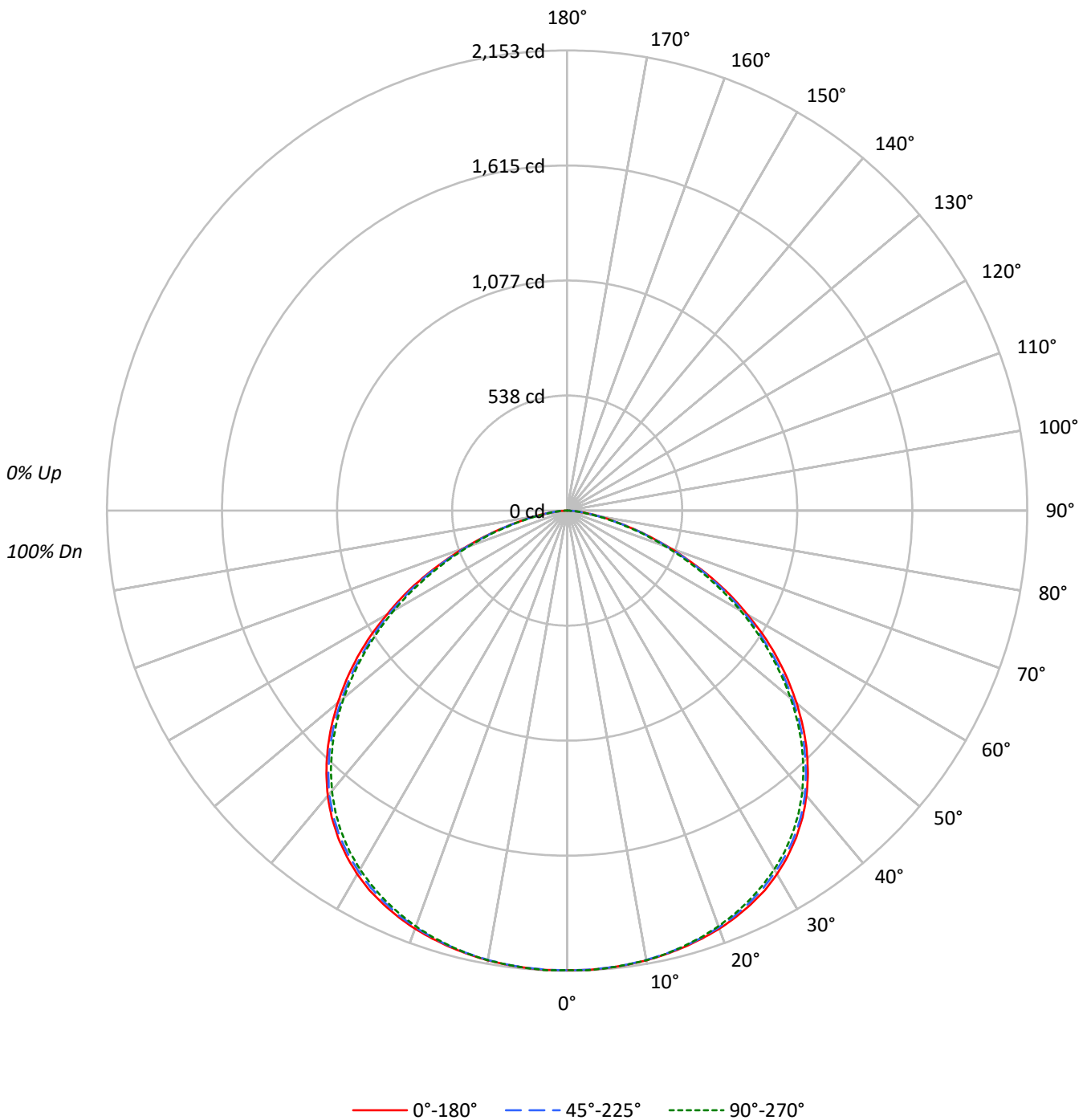
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6258.0 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 52.3
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

TEST NUMBER: P412910
CATALOG NUMBER: 24PD-70-PP3-L950

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	86	81	77		83	79	75		80	77	74	71
3	91	81	73	66	89	79	72	66	76	70	65		73	68	64		71	66	63	60
4	83	72	63	56	81	70	62	56	68	61	55		65	59	54		63	58	54	52
5	77	64	55	49	75	63	54	48	61	53	48		59	52	47		57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42		53	46	41		52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37		48	42	37		47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33		44	38	33		43	37	32	31
9	57	44	35	30	55	43	35	30	42	35	30		41	34	29		40	34	29	27
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°	2894	2894	2894
5°	2901	2901	2902
10°	2920	2916	2919
15°	2945	2941	2939
20°	2981	2971	2964
25°	3018	3003	2989
30°	3052	3031	3011
35°	3068	3050	3022
40°	3060	3042	3008
45°	3017	2987	2954
50°	2934	2887	2856
55°	2812	2745	2710
60°	2620	2575	2523
65°	2375	2328	2260
70°	2027	1990	1926
75°	1583	1567	1493
80°	1168	1120	1056
85°	706	706	656



TEST NUMBER: P412910

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.6	3.3
10°-20°	597.1	9.5
20°-30°	933.3	14.9
30°-40°	1159.9	18.5
40°-50°	1208.5	19.3
50°-60°	1048.6	16.8
60°-70°	721.1	11.5
70°-80°	325.4	5.2
80°-90°	59.6	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°	1734.9	27.7
0°-40°	2894.8	46.3
0°-60°	5151.9	82.3
0°-90°	6258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6258.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2151	2151	2151	2151	2151	
5°	2148	2149	2148	2146	2149	205
15°	2114	2114	2111	2109	2110	598
25°	2033	2032	2022	2014	2013	938
35°	1868	1868	1857	1846	1840	1167
45°	1585	1586	1570	1558	1552	1220
55°	1199	1192	1170	1156	1155	1068
65°	746	743	731	714	710	736
75°	305	306	301	293	287	332
85°	46	45	46	45	42	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2150.7	2150.7	2150.7	2150.7	2150.7
2.5°	2151.3	2151.3	2150.1	2148.2	2152.6
5°	2148.2	2148.8	2147.6	2145.7	2148.8
7.5°	2143.8	2144.4	2142.6	2140.7	2143.2
10°	2136.9	2136.3	2134.4	2133.2	2136.3
12.5°	2126.9	2126.3	2124.4	2123.2	2125.7
15°	2114.4	2114.4	2111.3	2109.4	2110.0
17.5°	2099.4	2099.4	2095.0	2090.7	2091.9
20°	2081.9	2081.3	2075.0	2070.6	2070.0
22.5°	2060.0	2060.0	2051.3	2045.6	2043.8
25°	2033.1	2032.5	2022.5	2014.4	2013.1
27.5°	2002.5	2001.2	1989.3	1981.2	1978.1
30°	1964.3	1963.1	1950.6	1941.8	1938.1
32.5°	1919.3	1921.2	1906.8	1896.8	1893.0
35°	1868.0	1868.0	1856.8	1846.1	1839.9
37.5°	1809.2	1809.2	1798.6	1788.0	1780.5
40°	1742.3	1742.9	1731.7	1718.6	1712.3
42.5°	1667.3	1668.5	1653.5	1642.9	1636.0
45°	1585.3	1586.0	1569.7	1557.8	1552.2
47.5°	1496.5	1495.3	1477.2	1467.1	1461.5
50°	1401.5	1399.0	1379.0	1369.6	1364.6
52.5°	1302.0	1297.0	1279.5	1265.8	1261.4
55°	1198.9	1192.0	1170.1	1156.3	1155.1
57.5°	1091.3	1083.2	1065.0	1051.9	1046.9
60°	973.7	971.8	956.8	941.2	937.4
62.5°	863.7	858.0	844.9	826.1	824.3
65°	746.1	743.0	731.1	713.6	709.8
67.5°	624.8	627.9	617.9	602.2	597.2
70°	515.3	517.2	505.9	491.6	489.7
72.5°	405.2	408.4	399.0	389.6	387.7
75°	304.6	305.8	301.4	293.3	287.1
77.5°	216.4	220.8	215.8	210.1	205.1
80°	150.7	143.8	144.5	142.0	136.3
82.5°	90.7	87.6	86.9	84.4	81.9
85°	45.7	45.0	45.7	45.0	42.5
87.5°	15.0	16.3	16.9	16.9	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)