

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: P413050

Luminaire Tested: **22PD-25-PC3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413050
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-25-PC3-L927
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

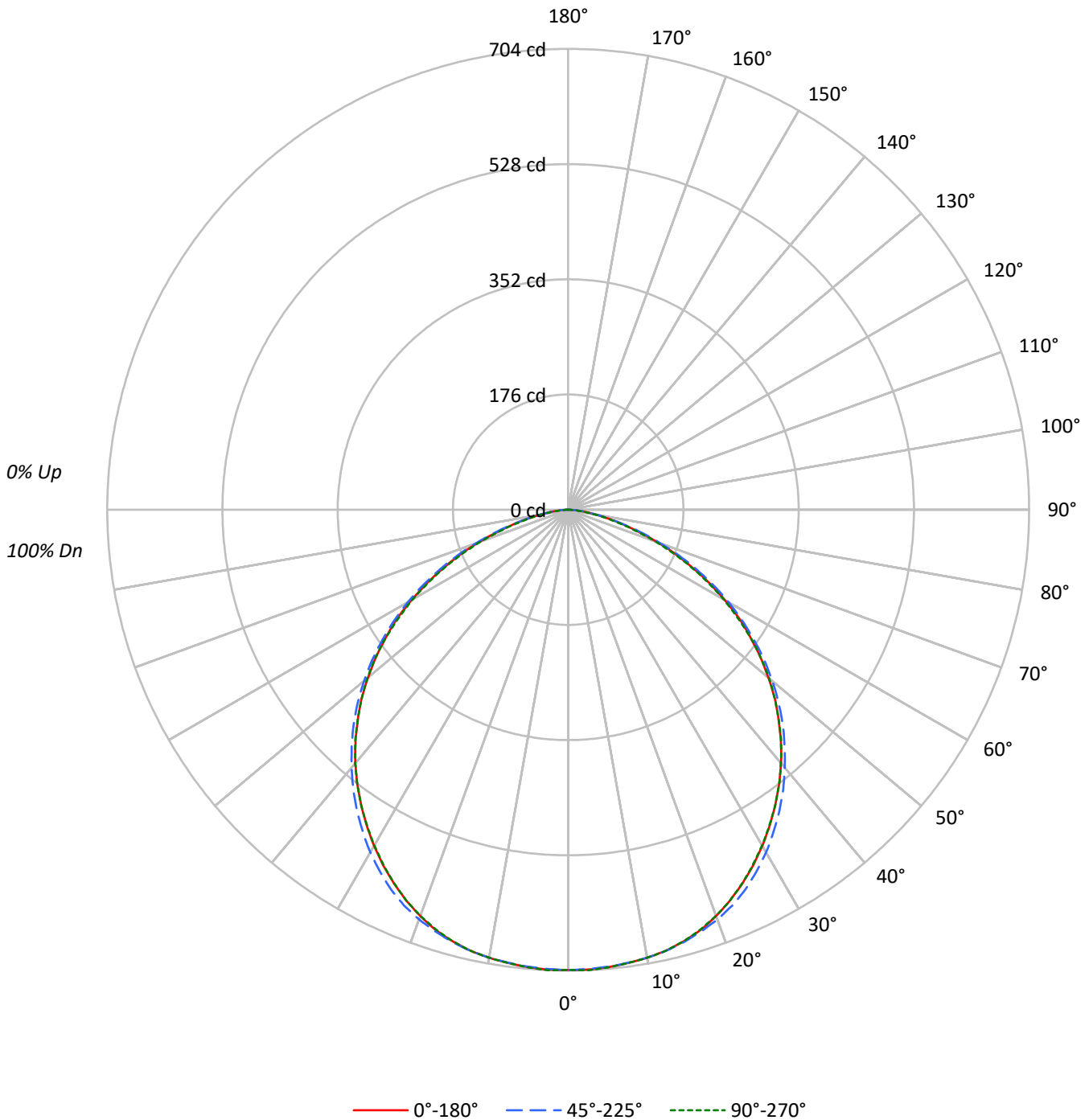
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1889.0 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	105	101	97	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1892	1892	1892
5°	1895	1893	1896
10°	1899	1899	1899
15°	1902	1904	1901
20°	1892	1907	1891
25°	1870	1901	1869
30°	1842	1878	1840
35°	1810	1846	1810
40°	1776	1808	1776
45°	1730	1764	1732
50°	1670	1703	1677
55°	1593	1624	1593
60°	1485	1523	1476
65°	1333	1380	1316
70°	1140	1181	1107
75°	905	931	858
80°	648	673	617
85°	429	442	401



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.7	3.5
10°-20°	192.7	10.2
20°-30°	292.4	15.5
30°-40°	349.1	18.5
40°-50°	355.1	18.8
50°-60°	307.1	16.3
60°-70°	211.4	11.2
70°-80°	95.9	5.1
80°-90°	18.6	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°	551.8	29.2
0°-40°	900.9	47.7
0°-60°	1563.2	82.7
0°-90°	1889.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1889.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	703	703	703	703	703	
5°	701	701	701	701	702	67
15°	683	683	684	682	682	193
25°	630	635	640	634	629	290
35°	551	561	562	560	551	345
45°	454	463	463	463	455	350
55°	340	345	346	346	340	303
65°	209	215	217	215	207	208
75°	87	90	90	89	82	94
85°	14	15	14	14	13	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	703.2	703.2	703.2	703.2	703.2
2.5°	703.2	702.3	702.5	702.7	704.1
5°	701.4	700.7	700.9	700.9	701.8
7.5°	698.5	698.2	698.2	698.0	698.7
10°	695.1	694.7	694.9	694.7	695.1
12.5°	690.0	690.0	690.2	689.5	690.0
15°	682.6	683.0	683.5	682.4	682.4
17.5°	673.2	674.3	675.4	673.4	672.3
20°	660.7	663.3	666.0	662.9	660.2
22.5°	646.1	650.6	654.6	649.7	646.1
25°	629.8	635.4	640.1	634.3	629.4
27.5°	612.1	618.4	622.9	617.9	611.2
30°	592.9	600.5	604.5	599.8	592.0
32.5°	572.3	581.3	583.7	580.8	571.9
35°	551.1	560.9	562.0	560.0	551.1
37.5°	528.9	538.3	539.2	538.1	528.9
40°	505.7	514.4	514.6	514.6	505.7
42.5°	480.8	489.3	489.3	489.1	481.5
45°	454.5	462.7	463.4	463.0	455.1
47.5°	428.3	434.6	435.7	434.8	427.8
50°	399.0	405.5	406.8	405.9	400.6
52.5°	369.9	376.0	377.3	376.6	370.6
55°	339.5	345.3	346.2	345.5	339.5
57.5°	310.2	314.0	314.9	313.6	306.0
60°	276.0	281.4	282.9	281.4	274.2
62.5°	242.9	248.7	250.0	247.8	240.2
65°	209.3	215.2	216.7	214.9	206.7
67.5°	177.6	181.8	183.2	181.2	173.6
70°	144.9	150.3	150.1	147.4	140.7
72.5°	112.7	120.1	118.8	117.2	109.8
75°	87.0	90.4	89.5	88.6	82.5
77.5°	62.2	66.2	64.0	64.2	59.0
80°	41.8	45.6	43.4	42.5	39.8
82.5°	26.6	28.2	27.7	27.3	24.8
85°	13.9	14.8	14.3	13.9	13.0
87.5°	5.4	5.8	5.4	5.4	4.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)