

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: P413045

Luminaire Tested: **22PD-20-PC3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413045
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-20-PC3-L950
Description: 2000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

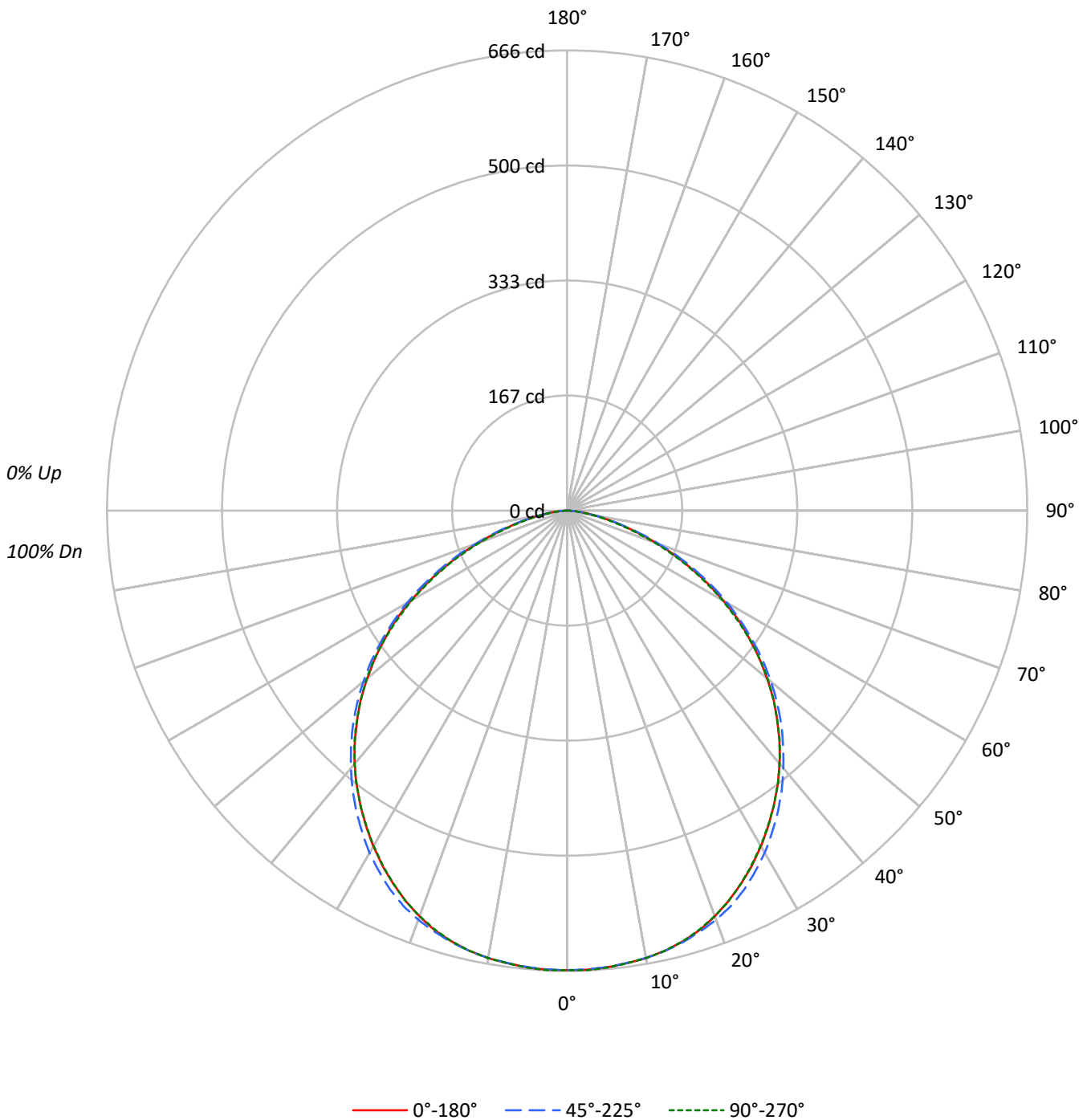
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1787.0 lumens
Efficiency: N/A
Efficacy: 105.7 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): 16.9
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	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°	1790	1790	1790
5°	1792	1791	1793
10°	1797	1796	1797
15°	1799	1801	1798
20°	1790	1804	1789
25°	1769	1798	1768
30°	1743	1777	1740
35°	1713	1747	1713
40°	1681	1710	1681
45°	1636	1668	1639
50°	1580	1611	1586
55°	1507	1536	1507
60°	1405	1440	1396
65°	1261	1305	1245
70°	1079	1117	1047
75°	856	880	812
80°	614	635	584
85°	404	417	380



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	3.5
10°-20°	182.3	10.2
20°-30°	276.6	15.5
30°-40°	330.3	18.5
40°-50°	335.9	18.8
50°-60°	290.6	16.3
60°-70°	199.9	11.2
70°-80°	90.7	5.1
80°-90°	17.6	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°	522.0	29.2
0°-40°	852.3	47.7
0°-60°	1478.8	82.8
0°-90°	1787.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1787.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	665	665	665	665	665	
5°	664	663	663	663	664	63
15°	646	646	647	646	646	182
25°	596	601	606	600	595	274
35°	521	531	532	530	521	326
45°	430	438	438	438	431	332
55°	321	327	328	327	321	287
65°	198	204	205	203	196	196
75°	82	86	85	84	78	89
85°	13	14	14	13	12	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	665.2	665.2	665.2	665.2	665.2
2.5°	665.2	664.3	664.6	664.8	666.0
5°	663.5	662.9	663.1	663.1	663.9
7.5°	660.7	660.5	660.5	660.3	661.0
10°	657.6	657.2	657.4	657.2	657.6
12.5°	652.7	652.7	652.9	652.3	652.7
15°	645.7	646.1	646.6	645.5	645.5
17.5°	636.8	637.9	639.0	637.1	636.0
20°	625.0	627.5	630.1	627.1	624.6
22.5°	611.2	615.5	619.3	614.6	611.2
25°	595.8	601.1	605.5	600.0	595.4
27.5°	579.1	585.0	589.2	584.6	578.2
30°	560.9	568.1	571.9	567.4	560.0
32.5°	541.4	549.9	552.2	549.5	541.0
35°	521.3	530.6	531.7	529.8	521.3
37.5°	500.4	509.3	510.1	509.0	500.4
40°	478.4	486.6	486.8	486.8	478.4
42.5°	454.9	462.9	462.9	462.7	455.5
45°	429.9	437.7	438.4	438.0	430.6
47.5°	405.2	411.1	412.1	411.3	404.7
50°	377.4	383.6	384.9	384.0	378.9
52.5°	349.9	355.7	356.9	356.3	350.6
55°	321.2	326.7	327.5	326.9	321.2
57.5°	293.5	297.1	297.9	296.6	289.4
60°	261.1	266.2	267.6	266.2	259.4
62.5°	229.8	235.3	236.5	234.4	227.2
65°	198.0	203.5	205.0	203.3	195.5
67.5°	168.0	172.0	173.3	171.4	164.2
70°	137.1	142.2	142.0	139.4	133.1
72.5°	106.6	113.6	112.3	110.9	103.9
75°	82.3	85.5	84.6	83.8	78.1
77.5°	58.8	62.6	60.5	60.7	55.9
80°	39.6	43.2	41.0	40.2	37.7
82.5°	25.2	26.7	26.2	25.8	23.5
85°	13.1	14.0	13.5	13.1	12.3
87.5°	5.1	5.5	5.1	5.1	4.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)