

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: P413069

Luminaire Tested: **22PD-35-PC3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413069
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-35-PC3-L930
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

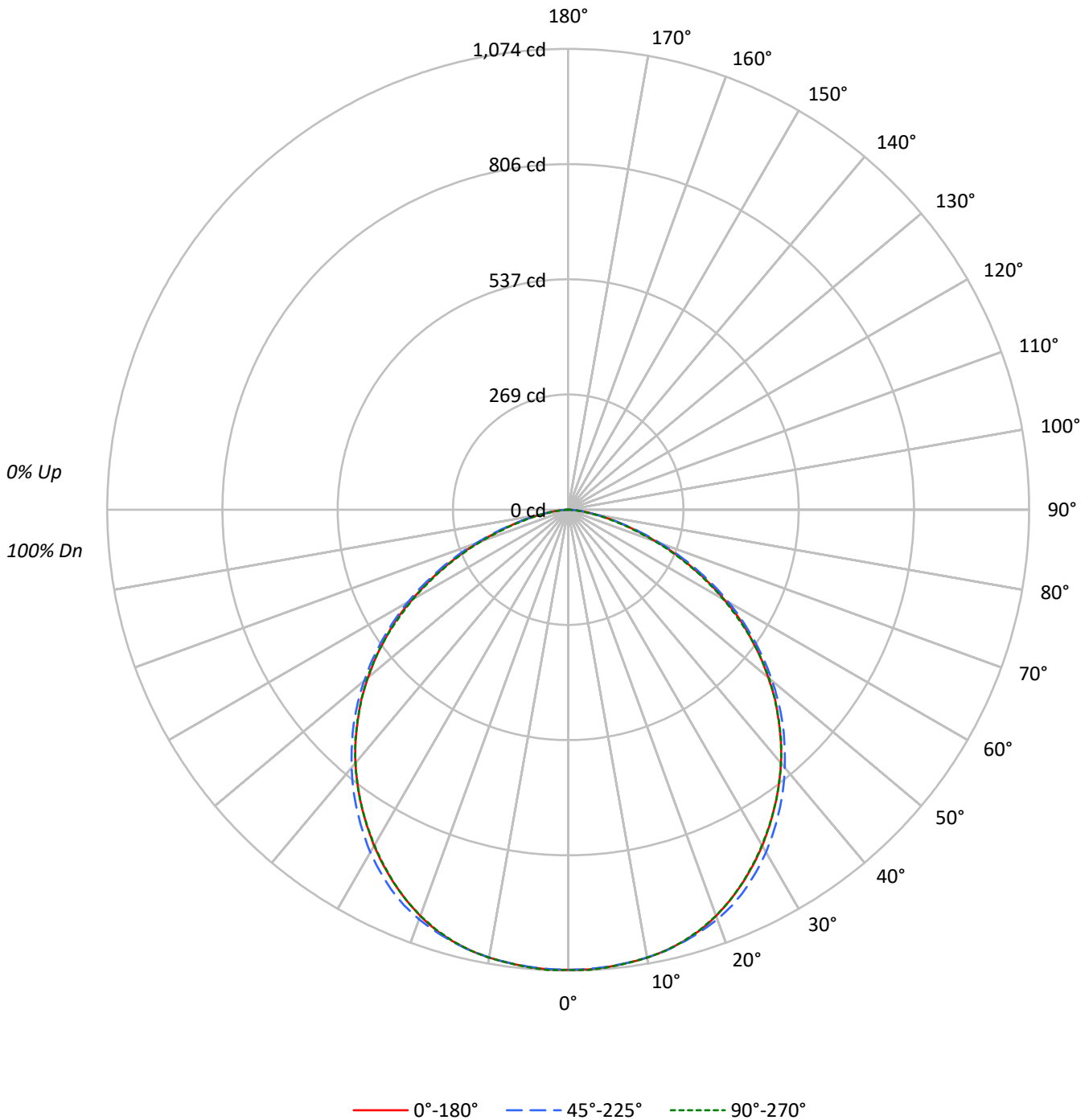
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2881.0 lumens
Efficiency: N/A
Efficacy: 98.7 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): 29.2
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°	2886	2886	2886
5°	2890	2888	2891
10°	2897	2896	2897
15°	2900	2904	2899
20°	2885	2909	2883
25°	2852	2899	2850
30°	2810	2865	2806
35°	2761	2816	2761
40°	2709	2757	2709
45°	2638	2690	2641
50°	2547	2598	2557
55°	2429	2477	2429
60°	2265	2322	2251
65°	2033	2104	2007
70°	1739	1801	1688
75°	1380	1418	1309
80°	989	1026	941
85°	651	673	611



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.8	3.5
10°-20°	293.9	10.2
20°-30°	445.9	15.5
30°-40°	532.5	18.5
40°-50°	541.6	18.8
50°-60°	468.4	16.3
60°-70°	322.3	11.2
70°-80°	146.3	5.1
80°-90°	28.3	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°	841.6	29.2
0°-40°	1374.1	47.7
0°-60°	2384.1	82.8
0°-90°	2881.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2881.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1072	1072	1072	1072	1072	
5°	1070	1069	1069	1069	1070	102
15°	1041	1042	1042	1041	1041	294
25°	960	969	976	967	960	442
35°	840	856	857	854	840	526
45°	693	706	707	706	694	535
55°	518	527	528	527	518	463
65°	319	328	330	328	315	317
75°	133	138	136	135	126	143
85°	21	22	22	21	20	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1072.4	1072.4	1072.4	1072.4	1072.4
2.5°	1072.4	1071.1	1071.4	1071.7	1073.8
5°	1069.7	1068.7	1069.0	1069.0	1070.4
7.5°	1065.3	1064.9	1064.9	1064.6	1065.6
10°	1060.1	1059.5	1059.8	1059.5	1060.1
12.5°	1052.3	1052.3	1052.6	1051.6	1052.3
15°	1041.0	1041.7	1042.4	1040.7	1040.7
17.5°	1026.7	1028.4	1030.1	1027.1	1025.3
20°	1007.6	1011.7	1015.8	1011.0	1006.9
22.5°	985.4	992.3	998.4	990.9	985.4
25°	960.5	969.1	976.2	967.4	959.9
27.5°	933.6	943.1	950.0	942.5	932.2
30°	904.3	915.9	922.0	914.8	902.9
32.5°	872.9	886.5	890.3	885.8	872.2
35°	840.5	855.5	857.2	854.1	840.5
37.5°	806.7	821.0	822.4	820.7	806.7
40°	771.2	784.5	784.9	784.9	771.2
42.5°	733.4	746.3	746.3	746.0	734.4
45°	693.1	705.7	706.8	706.1	694.1
47.5°	653.2	662.8	664.5	663.1	652.5
50°	608.5	618.4	620.5	619.1	610.9
52.5°	564.2	573.4	575.4	574.4	565.2
55°	517.8	526.7	528.0	527.0	517.8
57.5°	473.1	478.9	480.3	478.2	466.6
60°	420.9	429.1	431.5	429.1	418.2
62.5°	370.4	379.3	381.4	377.9	366.3
65°	319.3	328.1	330.5	327.8	315.2
67.5°	270.8	277.3	279.4	276.3	264.7
70°	221.0	229.2	228.9	224.8	214.6
72.5°	171.9	183.2	181.1	178.7	167.5
75°	132.7	137.8	136.4	135.1	125.9
77.5°	94.8	101.0	97.6	97.9	90.1
80°	63.8	69.6	66.2	64.8	60.7
82.5°	40.6	43.0	42.3	41.6	37.9
85°	21.1	22.5	21.8	21.1	19.8
87.5°	8.2	8.9	8.2	8.2	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)