

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: P412716

Luminaire Tested: **22PD-30-PP3-L850**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412716
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-30-PP3-L850
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

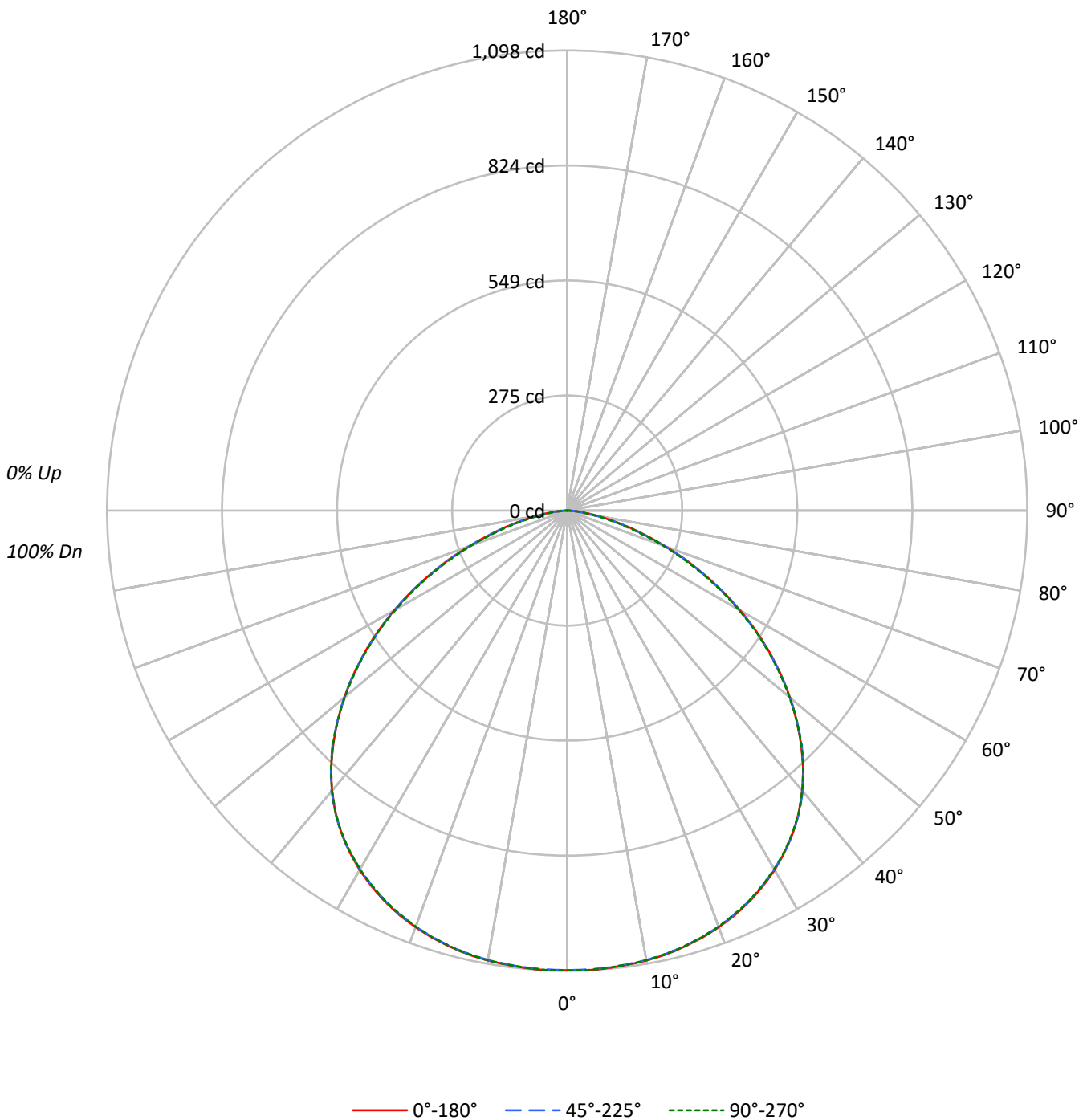
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3147.0 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.9
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	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	87	81	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55		66	60	55		64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	47		57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
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°	2952	2952	2952
5°	2961	2957	2959
10°	2979	2975	2977
15°	3003	3000	3000
20°	3029	3026	3025
25°	3056	3050	3050
30°	3077	3072	3070
35°	3086	3086	3082
40°	3066	3072	3066
45°	3005	3013	3009
50°	2904	2908	2901
55°	2765	2758	2753
60°	2566	2560	2541
65°	2292	2290	2264
70°	1959	1948	1905
75°	1562	1516	1470
80°	1113	1089	1034
85°	722	722	701



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.3	3.3
10°-20°	304.3	9.7
20°-30°	473.8	15.1
30°-40°	586.4	18.6
40°-50°	608.0	19.3
50°-60°	524.1	16.7
60°-70°	356.3	11.3
70°-80°	159.4	5.1
80°-90°	30.4	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°	882.4	28.0
0°-40°	1468.8	46.7
0°-60°	2600.9	82.6
0°-90°	3147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3147.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1097	1097	1097	1097	1097	
5°	1096	1094	1095	1094	1095	104
15°	1078	1076	1077	1076	1077	305
25°	1029	1028	1027	1027	1027	475
35°	939	938	939	938	938	587
45°	790	789	792	790	791	608
55°	589	587	588	587	587	525
65°	360	363	360	358	356	357
75°	150	150	146	145	141	162
85°	23	24	23	23	23	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1096.9	1096.9	1096.9	1096.9	1096.9
2.5°	1098.3	1096.1	1096.1	1096.5	1097.6
5°	1096.1	1093.9	1094.7	1094.3	1095.4
7.5°	1093.2	1091.4	1092.5	1091.7	1092.5
10°	1090.3	1088.4	1088.8	1088.4	1089.5
12.5°	1085.2	1083.0	1083.7	1083.7	1084.1
15°	1077.8	1076.0	1076.7	1076.0	1076.7
17.5°	1069.0	1066.8	1067.2	1066.8	1067.6
20°	1057.7	1056.2	1056.6	1055.9	1056.2
22.5°	1044.9	1043.0	1043.4	1042.7	1042.7
25°	1029.1	1027.7	1027.3	1026.9	1027.3
27.5°	1010.8	1009.0	1009.0	1008.6	1008.6
30°	990.3	988.5	988.5	988.1	988.1
32.5°	966.1	965.4	965.8	965.0	964.7
35°	939.4	938.3	939.4	937.9	938.3
37.5°	908.3	906.8	909.0	907.5	907.9
40°	872.7	872.0	874.6	873.5	872.7
42.5°	833.2	833.2	834.3	834.6	833.9
45°	789.6	788.9	791.8	790.0	790.7
47.5°	742.7	741.6	743.8	743.5	743.1
50°	693.6	692.9	694.7	692.9	692.9
52.5°	642.7	642.4	642.7	640.9	640.5
55°	589.3	587.1	587.8	586.7	586.7
57.5°	533.6	531.0	531.4	531.0	531.4
60°	476.8	476.1	475.7	473.9	472.1
62.5°	418.6	419.3	419.0	416.4	414.6
65°	360.0	362.9	359.6	358.5	355.6
67.5°	304.7	305.8	303.6	301.0	297.7
70°	249.0	251.2	247.6	245.0	242.1
72.5°	195.9	197.4	194.1	192.6	189.0
75°	150.2	150.5	145.8	145.0	141.4
77.5°	106.9	108.4	104.7	104.7	101.1
80°	71.8	74.3	70.3	69.2	66.7
82.5°	45.0	45.4	44.3	43.2	42.1
85°	23.4	24.2	23.4	22.7	22.7
87.5°	8.8	9.2	8.8	8.4	8.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)