

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: P412714

Luminaire Tested: **22PD-30-PP3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412714
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-L835
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

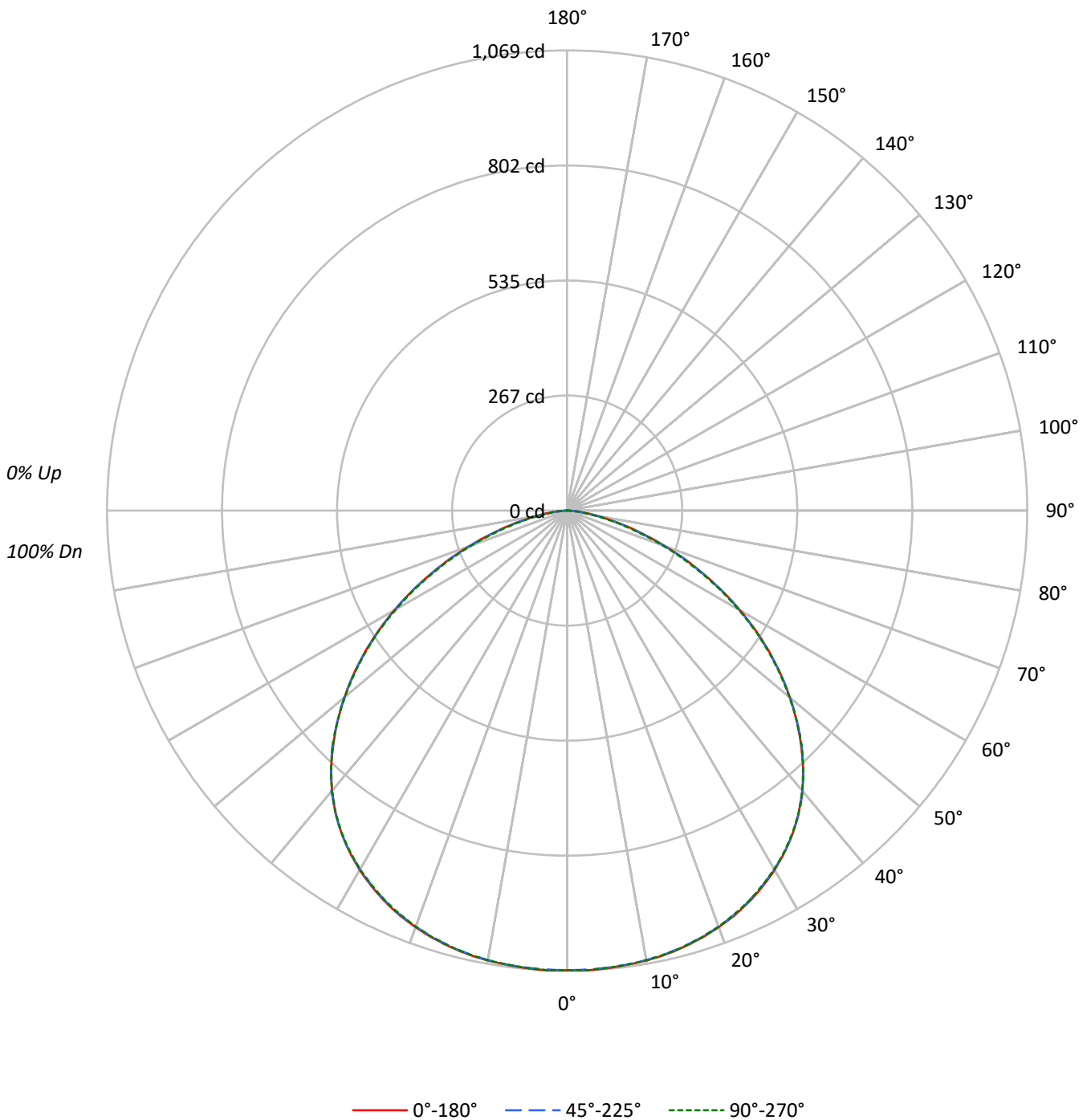
Lumens per Lamp: N/A
Luminaire Lumens: 3064.0 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.9
Input Voltage (V): NR
Input Current (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	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°	2874	2874	2874
5°	2883	2879	2881
10°	2901	2897	2899
15°	2924	2920	2920
20°	2949	2946	2945
25°	2975	2970	2970
30°	2996	2990	2989
35°	3005	3005	3001
40°	2985	2991	2985
45°	2926	2934	2930
50°	2828	2832	2824
55°	2692	2685	2680
60°	2499	2493	2474
65°	2232	2230	2204
70°	1908	1896	1854
75°	1520	1475	1431
80°	1083	1062	1006
85°	704	704	682



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	3.3
10°-20°	296.2	9.7
20°-30°	461.3	15.1
30°-40°	570.9	18.6
40°-50°	592.0	19.3
50°-60°	510.3	16.7
60°-70°	346.9	11.3
70°-80°	155.2	5.1
80°-90°	29.6	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°	859.1	28.0
0°-40°	1430.0	46.7
0°-60°	2532.3	82.6
0°-90°	3064.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3064.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1068	1068	1068	1068	1068	
5°	1067	1065	1066	1065	1066	102
15°	1049	1048	1048	1048	1048	297
25°	1002	1000	1000	1000	1000	462
35°	915	914	915	913	914	571
45°	769	768	771	769	770	592
55°	574	572	572	571	571	512
65°	350	353	350	349	346	348
75°	146	147	142	141	138	157
85°	23	24	23	22	22	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1067.9	1067.9	1067.9	1067.9	1067.9
2.5°	1069.4	1067.2	1067.2	1067.6	1068.7
5°	1067.2	1065.1	1065.8	1065.4	1066.5
7.5°	1064.4	1062.6	1063.7	1062.9	1063.7
10°	1061.5	1059.7	1060.1	1059.7	1060.8
12.5°	1056.5	1054.4	1055.1	1055.1	1055.5
15°	1049.4	1047.6	1048.3	1047.6	1048.3
17.5°	1040.8	1038.7	1039.1	1038.7	1039.4
20°	1029.8	1028.4	1028.7	1028.0	1028.4
22.5°	1017.3	1015.5	1015.9	1015.2	1015.2
25°	1002.0	1000.5	1000.2	999.8	1000.2
27.5°	984.1	982.4	982.4	982.0	982.0
30°	964.2	962.4	962.4	962.0	962.0
32.5°	940.6	939.9	940.3	939.6	939.2
35°	914.6	913.5	914.6	913.2	913.5
37.5°	884.3	882.9	885.0	883.6	883.9
40°	849.7	849.0	851.5	850.4	849.7
42.5°	811.2	811.2	812.3	812.6	811.9
45°	768.8	768.1	770.9	769.1	769.8
47.5°	723.1	722.1	724.2	723.8	723.5
50°	675.4	674.6	676.4	674.6	674.6
52.5°	625.8	625.4	625.8	624.0	623.6
55°	573.7	571.6	572.3	571.2	571.2
57.5°	519.5	517.0	517.4	517.0	517.4
60°	464.3	463.5	463.2	461.4	459.6
62.5°	407.6	408.3	407.9	405.4	403.6
65°	350.5	353.4	350.2	349.1	346.2
67.5°	296.7	297.7	295.6	293.1	289.9
70°	242.5	244.6	241.0	238.5	235.7
72.5°	190.8	192.2	189.0	187.6	184.0
75°	146.2	146.6	141.9	141.2	137.6
77.5°	104.1	105.5	102.0	102.0	98.4
80°	69.9	72.4	68.5	67.4	64.9
82.5°	43.9	44.2	43.1	42.1	41.0
85°	22.8	23.5	22.8	22.1	22.1
87.5°	8.6	8.9	8.6	8.2	8.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)