

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: P413056

Luminaire Tested: **22PD-30-PC3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413056
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-30-PC3-L835
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

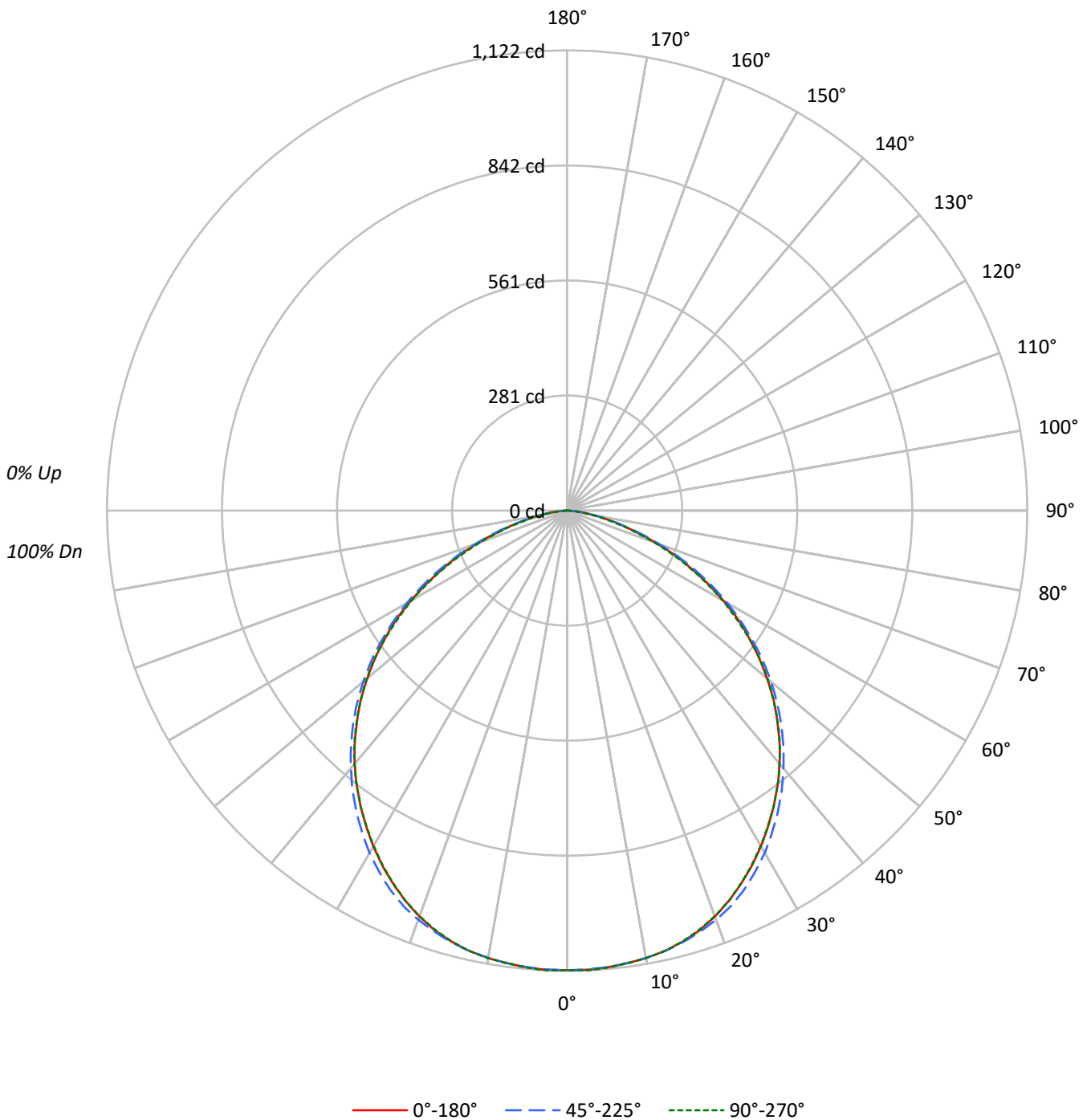
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3011.0 lumens
Efficiency: N/A
Efficacy: 120.9 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): 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	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°	3016	3016	3016
5°	3020	3018	3022
10°	3028	3027	3028
15°	3031	3035	3030
20°	3016	3040	3014
25°	2981	3029	2979
30°	2937	2994	2932
35°	2886	2943	2886
40°	2831	2882	2831
45°	2757	2811	2761
50°	2663	2715	2673
55°	2539	2589	2539
60°	2368	2427	2352
65°	2125	2199	2097
70°	1817	1882	1764
75°	1442	1483	1367
80°	1034	1072	984
85°	682	704	639



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	3.5
10°-20°	307.2	10.2
20°-30°	466.0	15.5
30°-40°	556.5	18.5
40°-50°	566.0	18.8
50°-60°	489.6	16.3
60°-70°	336.9	11.2
70°-80°	152.9	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°	879.5	29.2
0°-40°	1436.1	47.7
0°-60°	2491.6	82.8
0°-90°	3011.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3011.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1121	1121	1121	1121	1121	
5°	1118	1117	1117	1117	1119	106
15°	1088	1089	1089	1088	1088	307
25°	1004	1013	1020	1011	1003	462
35°	878	894	896	893	878	549
45°	724	738	739	738	726	559
55°	541	550	552	551	541	484
65°	334	343	345	343	329	331
75°	139	144	143	141	132	149
85°	22	24	23	22	21	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1120.8	1120.8	1120.8	1120.8	1120.8
2.5°	1120.8	1119.4	1119.7	1120.1	1122.2
5°	1118.0	1116.9	1117.2	1117.2	1118.7
7.5°	1113.3	1113.0	1113.0	1112.6	1113.7
10°	1108.0	1107.3	1107.6	1107.3	1108.0
12.5°	1099.8	1099.8	1100.1	1099.1	1099.8
15°	1088.0	1088.7	1089.4	1087.7	1087.7
17.5°	1073.0	1074.8	1076.6	1073.4	1071.6
20°	1053.1	1057.4	1061.6	1056.6	1052.4
22.5°	1029.9	1037.0	1043.5	1035.6	1029.9
25°	1003.9	1012.8	1020.3	1011.0	1003.2
27.5°	975.7	985.7	992.8	985.0	974.3
30°	945.1	957.2	963.6	956.1	943.6
32.5°	912.3	926.5	930.4	925.8	911.5
35°	878.4	894.1	895.9	892.7	878.4
37.5°	843.1	858.1	859.5	857.7	843.1
40°	806.0	819.9	820.3	820.3	806.0
42.5°	766.5	780.0	780.0	779.6	767.5
45°	724.4	737.6	738.7	737.9	725.5
47.5°	682.7	692.7	694.4	693.0	682.0
50°	636.0	646.3	648.5	647.0	638.5
52.5°	589.6	599.3	601.4	600.3	590.7
55°	541.2	550.4	551.8	550.8	541.2
57.5°	494.5	500.5	501.9	499.8	487.7
60°	439.9	448.5	451.0	448.5	437.1
62.5°	387.2	396.4	398.6	395.0	382.9
65°	333.7	342.9	345.4	342.6	329.4
67.5°	283.1	289.8	292.0	288.8	276.6
70°	231.0	239.6	239.2	234.9	224.2
72.5°	179.7	191.4	189.3	186.8	175.0
75°	138.7	144.0	142.6	141.2	131.5
77.5°	99.1	105.5	102.0	102.3	94.1
80°	66.7	72.7	69.2	67.7	63.5
82.5°	42.4	44.9	44.2	43.5	39.6
85°	22.1	23.5	22.8	22.1	20.7
87.5°	8.6	9.3	8.6	8.6	7.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)