

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: P413057

Luminaire Tested: **22PD-30-PC3-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413057
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-L840
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

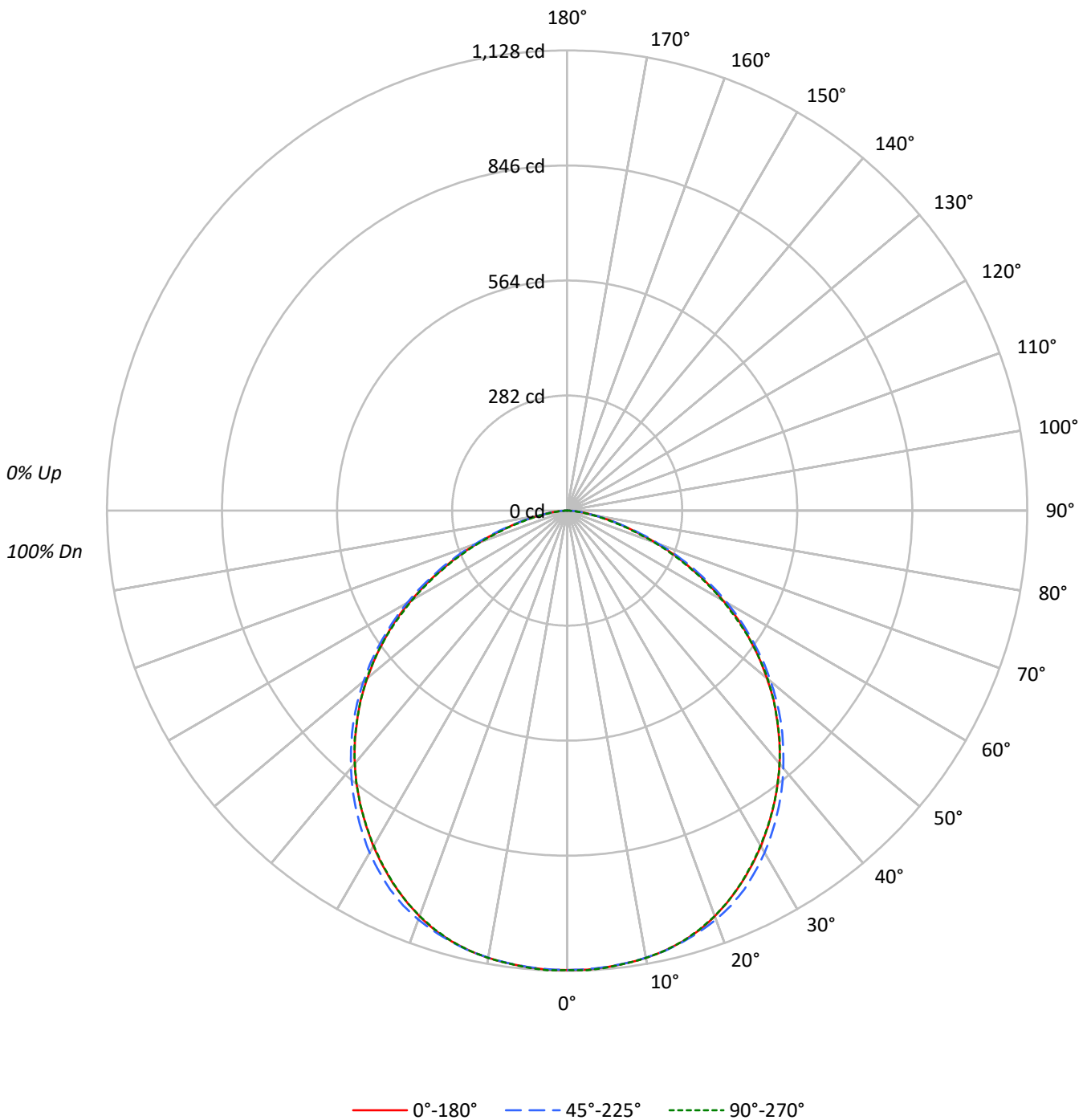
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3026.0 lumens
Efficiency: N/A
Efficacy: 121.5 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°	3031	3031	3031
5°	3035	3033	3037
10°	3043	3042	3043
15°	3046	3050	3045
20°	3031	3055	3029
25°	2996	3045	2994
30°	2951	3009	2947
35°	2900	2958	2900
40°	2845	2896	2845
45°	2770	2825	2775
50°	2676	2728	2686
55°	2552	2602	2552
60°	2379	2439	2364
65°	2135	2211	2108
70°	1827	1891	1773
75°	1449	1490	1375
80°	1038	1077	989
85°	685	707	642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	3.5
10°-20°	308.7	10.2
20°-30°	468.3	15.5
30°-40°	559.3	18.5
40°-50°	568.8	18.8
50°-60°	492.0	16.3
60°-70°	338.6	11.2
70°-80°	153.7	5.1
80°-90°	29.7	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°	883.9	29.2
0°-40°	1443.2	47.7
0°-60°	2504.0	82.8
0°-90°	3026.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3026.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1126	1126	1126	1126	1126	
5°	1124	1122	1123	1123	1124	107
15°	1093	1094	1095	1093	1093	308
25°	1009	1018	1025	1016	1008	465
35°	883	898	900	897	883	552
45°	728	741	742	742	729	561
55°	544	553	555	554	544	486
65°	335	345	347	344	331	333
75°	139	145	143	142	132	150
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°	1126.4	1126.4	1126.4	1126.4	1126.4
2.5°	1126.4	1125.0	1125.3	1125.7	1127.8
5°	1123.5	1122.5	1122.8	1122.8	1124.2
7.5°	1118.9	1118.5	1118.5	1118.2	1119.2
10°	1113.5	1112.8	1113.1	1112.8	1113.5
12.5°	1105.3	1105.3	1105.6	1104.5	1105.3
15°	1093.4	1094.1	1094.9	1093.1	1093.1
17.5°	1078.4	1080.2	1082.0	1078.7	1077.0
20°	1058.3	1062.6	1066.9	1061.9	1057.6
22.5°	1035.0	1042.2	1048.6	1040.8	1035.0
25°	1008.9	1017.8	1025.4	1016.0	1008.2
27.5°	980.6	990.6	997.8	989.9	979.1
30°	949.8	961.9	968.4	960.9	948.3
32.5°	916.8	931.1	935.1	930.4	916.1
35°	882.8	898.5	900.3	897.1	882.8
37.5°	847.3	862.4	863.8	862.0	847.3
40°	810.0	824.0	824.4	824.4	810.0
42.5°	770.3	783.9	783.9	783.5	771.4
45°	728.0	741.3	742.3	741.6	729.1
47.5°	686.1	696.1	697.9	696.5	685.4
50°	639.1	649.5	651.7	650.3	641.7
52.5°	592.6	602.2	604.4	603.3	593.6
55°	543.9	553.2	554.6	553.5	543.9
57.5°	496.9	503.0	504.4	502.3	490.1
60°	442.1	450.7	453.2	450.7	439.2
62.5°	389.1	398.4	400.5	397.0	384.8
65°	335.3	344.7	347.2	344.3	331.0
67.5°	284.5	291.3	293.4	290.2	278.0
70°	232.2	240.8	240.4	236.1	225.4
72.5°	180.6	192.4	190.2	187.7	175.9
75°	139.4	144.7	143.3	141.9	132.2
77.5°	99.6	106.0	102.5	102.8	94.6
80°	67.0	73.1	69.5	68.1	63.8
82.5°	42.6	45.1	44.4	43.7	39.8
85°	22.2	23.6	22.9	22.2	20.8
87.5°	8.6	9.3	8.6	8.6	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)