

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: P412838

Luminaire Tested: **24PD-30-PP3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-30-PP3-L950
Description: 3000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

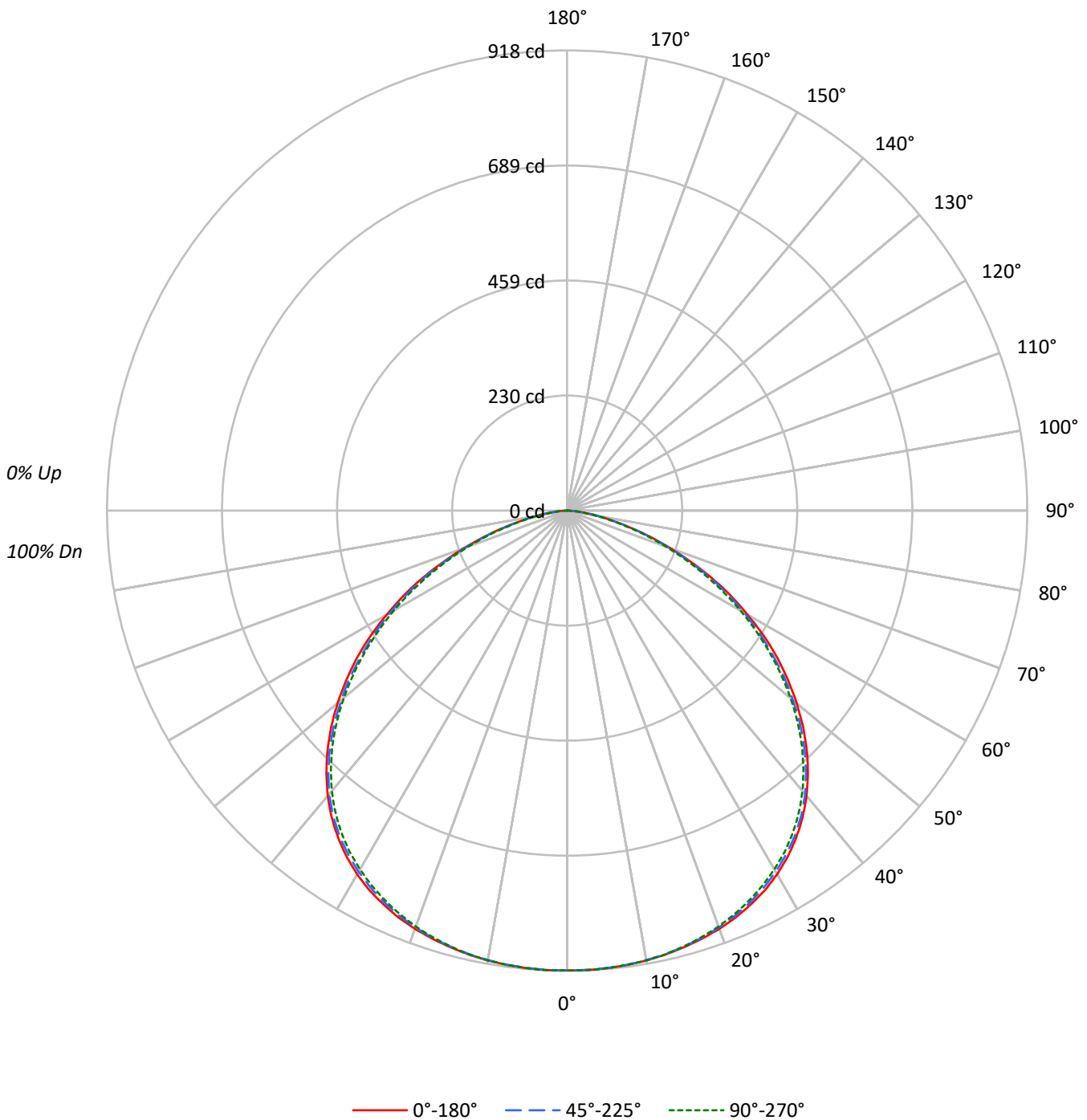
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2669.0 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22
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	86	81	77		83	79	75		80	77	74	71
3	91	81	73	66	89	79	72	66	76	70	65		73	68	64		71	66	63	60
4	83	72	63	56	81	70	62	56	68	61	55		65	59	54		63	58	54	52
5	77	64	55	49	75	63	54	48	61	53	48		59	52	47		57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42		53	46	41		52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37		48	42	37		47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33		44	38	33		43	37	32	31
9	57	44	35	30	55	43	35	30	42	35	30		41	34	29		40	34	29	27
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°	1234	1234	1234
5°	1237	1237	1238
10°	1245	1244	1245
15°	1256	1254	1254
20°	1271	1267	1264
25°	1287	1281	1275
30°	1302	1292	1284
35°	1309	1301	1289
40°	1305	1297	1283
45°	1286	1274	1260
50°	1251	1231	1218
55°	1199	1171	1156
60°	1118	1098	1076
65°	1013	993	964
70°	865	849	821
75°	675	669	636
80°	498	477	450
85°	301	301	279



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.3	3.3
10°-20°	254.7	9.5
20°-30°	398.0	14.9
30°-40°	494.7	18.5
40°-50°	515.4	19.3
50°-60°	447.2	16.8
60°-70°	307.5	11.5
70°-80°	138.8	5.2
80°-90°	25.4	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°	739.9	27.7
0°-40°	1234.6	46.3
0°-60°	2197.3	82.3
0°-90°	2669.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2669.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	917	917	917	917	917	
5°	916	916	916	915	916	87
15°	902	902	900	900	900	255
25°	867	867	863	859	859	400
35°	797	797	792	787	785	498
45°	676	676	670	664	662	520
55°	511	508	499	493	493	456
65°	318	317	312	304	303	314
75°	130	130	129	125	122	141
85°	20	19	20	19	18	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	917.3	917.3	917.3	917.3	917.3
2.5°	917.5	917.5	917.0	916.2	918.1
5°	916.2	916.5	915.9	915.1	916.5
7.5°	914.3	914.6	913.8	913.0	914.1
10°	911.4	911.1	910.3	909.8	911.1
12.5°	907.1	906.9	906.1	905.5	906.6
15°	901.8	901.8	900.5	899.7	899.9
17.5°	895.4	895.4	893.5	891.7	892.2
20°	887.9	887.7	885.0	883.1	882.9
22.5°	878.6	878.6	874.8	872.4	871.6
25°	867.1	866.8	862.6	859.1	858.6
27.5°	854.0	853.5	848.4	845.0	843.6
30°	837.8	837.2	831.9	828.2	826.6
32.5°	818.6	819.4	813.2	809.0	807.4
35°	796.7	796.7	791.9	787.4	784.7
37.5°	771.6	771.6	767.1	762.6	759.4
40°	743.1	743.4	738.6	733.0	730.3
42.5°	711.1	711.6	705.2	700.7	697.7
45°	676.1	676.4	669.5	664.4	662.0
47.5°	638.3	637.7	630.0	625.7	623.3
50°	597.7	596.7	588.1	584.1	582.0
52.5°	555.3	553.2	545.7	539.8	538.0
55°	511.3	508.4	499.0	493.2	492.6
57.5°	465.4	462.0	454.2	448.6	446.5
60°	415.3	414.5	408.1	401.4	399.8
62.5°	368.3	365.9	360.3	352.3	351.5
65°	318.2	316.9	311.8	304.3	302.7
67.5°	266.5	267.8	263.5	256.9	254.7
70°	219.8	220.6	215.8	209.6	208.8
72.5°	172.8	174.2	170.2	166.2	165.4
75°	129.9	130.4	128.6	125.1	122.4
77.5°	92.3	94.2	92.0	89.6	87.5
80°	64.3	61.3	61.6	60.5	58.1
82.5°	38.7	37.3	37.1	36.0	34.9
85°	19.5	19.2	19.5	19.2	18.1
87.5°	6.4	6.9	7.2	7.2	6.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)