

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: P412843

Luminaire Tested: **24PD-35-PP3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412843
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-35-PP3-L927
Description: 3500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

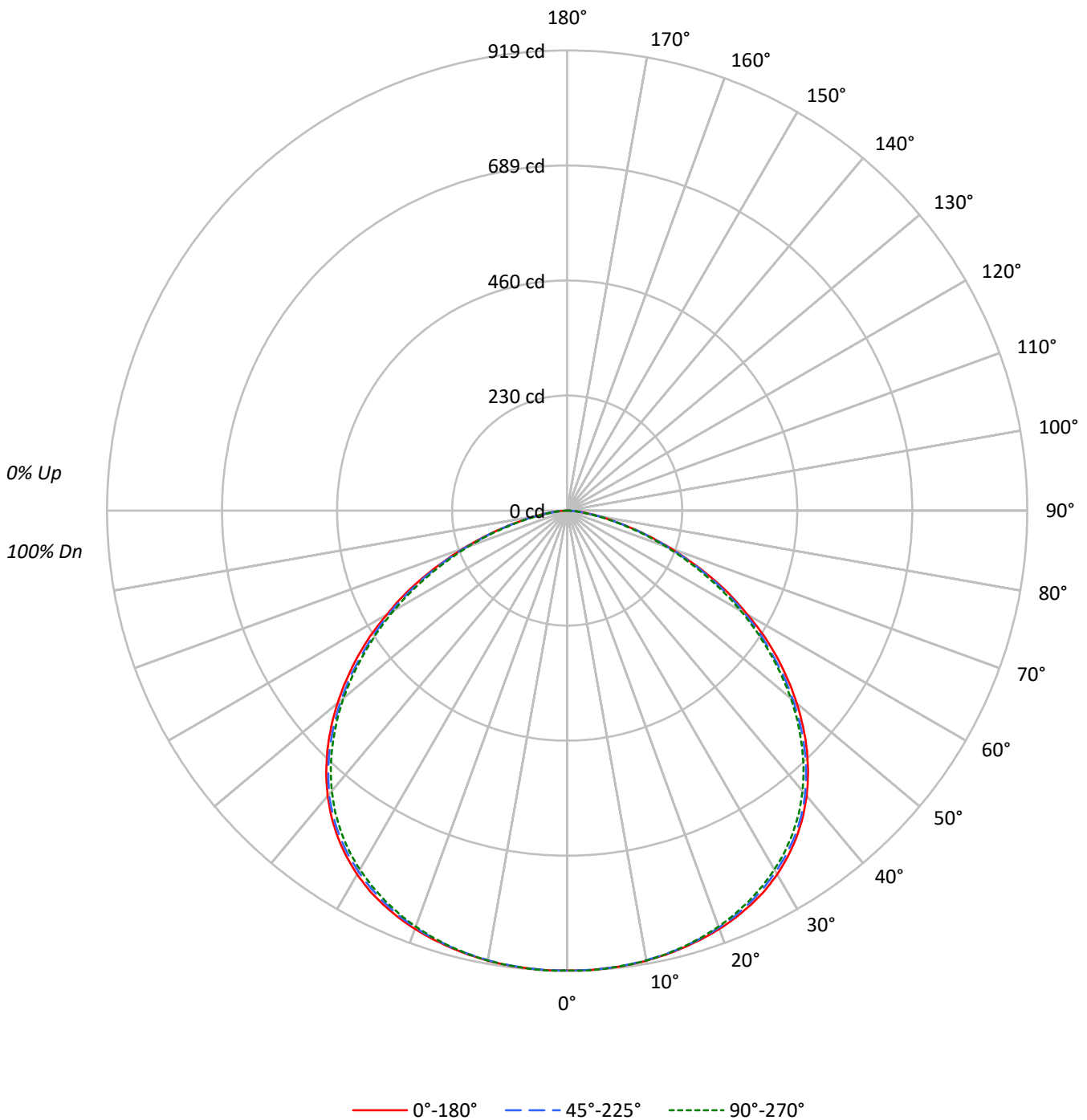
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2673.0 lumens
Efficiency: N/A
Efficacy: 103.6 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): 25.8
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°	1236	1236	1236
5°	1239	1239	1240
10°	1247	1246	1247
15°	1258	1256	1255
20°	1273	1269	1266
25°	1289	1283	1277
30°	1304	1294	1286
35°	1311	1303	1291
40°	1307	1299	1285
45°	1289	1276	1262
50°	1253	1233	1220
55°	1201	1172	1157
60°	1119	1100	1077
65°	1015	994	965
70°	866	850	823
75°	676	670	637
80°	499	478	451
85°	301	301	281



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	3.3
10°-20°	255.0	9.5
20°-30°	398.6	14.9
30°-40°	495.4	18.5
40°-50°	516.2	19.3
50°-60°	447.9	16.8
60°-70°	308.0	11.5
70°-80°	139.0	5.2
80°-90°	25.5	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°	741.1	27.7
0°-40°	1236.5	46.3
0°-60°	2200.6	82.3
0°-90°	2673.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2673.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	919	919	919	919	919	
5°	918	918	917	916	918	87
15°	903	903	902	901	901	255
25°	868	868	864	860	860	401
35°	798	798	793	788	786	499
45°	677	677	670	665	663	521
55°	512	509	500	494	493	456
65°	319	317	312	305	303	315
75°	130	131	129	125	123	142
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°	918.6	918.6	918.6	918.6	918.6
2.5°	918.9	918.9	918.4	917.6	919.4
5°	917.6	917.8	917.3	916.5	917.8
7.5°	915.7	916.0	915.2	914.4	915.4
10°	912.8	912.5	911.7	911.2	912.5
12.5°	908.5	908.2	907.4	906.9	907.9
15°	903.1	903.1	901.8	901.0	901.3
17.5°	896.7	896.7	894.9	893.0	893.5
20°	889.2	889.0	886.3	884.4	884.2
22.5°	879.9	879.9	876.2	873.8	873.0
25°	868.4	868.1	863.9	860.4	859.9
27.5°	855.3	854.8	849.7	846.2	844.9
30°	839.0	838.5	833.2	829.4	827.8
32.5°	819.8	820.6	814.5	810.2	808.6
35°	797.9	797.9	793.1	788.5	785.9
37.5°	772.8	772.8	768.2	763.7	760.5
40°	744.2	744.5	739.7	734.1	731.4
42.5°	712.1	712.7	706.3	701.7	698.8
45°	677.2	677.4	670.5	665.4	663.0
47.5°	639.2	638.7	630.9	626.7	624.3
50°	598.6	597.6	589.0	585.0	582.9
52.5°	556.1	554.0	546.5	540.7	538.8
55°	512.1	509.1	499.8	493.9	493.4
57.5°	466.1	462.7	454.9	449.3	447.2
60°	415.9	415.1	408.7	402.0	400.4
62.5°	368.9	366.5	360.9	352.9	352.1
65°	318.7	317.3	312.3	304.8	303.2
67.5°	266.9	268.2	263.9	257.2	255.1
70°	220.1	220.9	216.1	210.0	209.2
72.5°	173.1	174.4	170.4	166.4	165.6
75°	130.1	130.6	128.8	125.3	122.6
77.5°	92.4	94.3	92.2	89.8	87.6
80°	64.4	61.4	61.7	60.6	58.2
82.5°	38.7	37.4	37.1	36.1	35.0
85°	19.5	19.2	19.5	19.2	18.2
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)