

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: P412844

Luminaire Tested: **24PD-35-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412844
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-L930
Description: 3500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

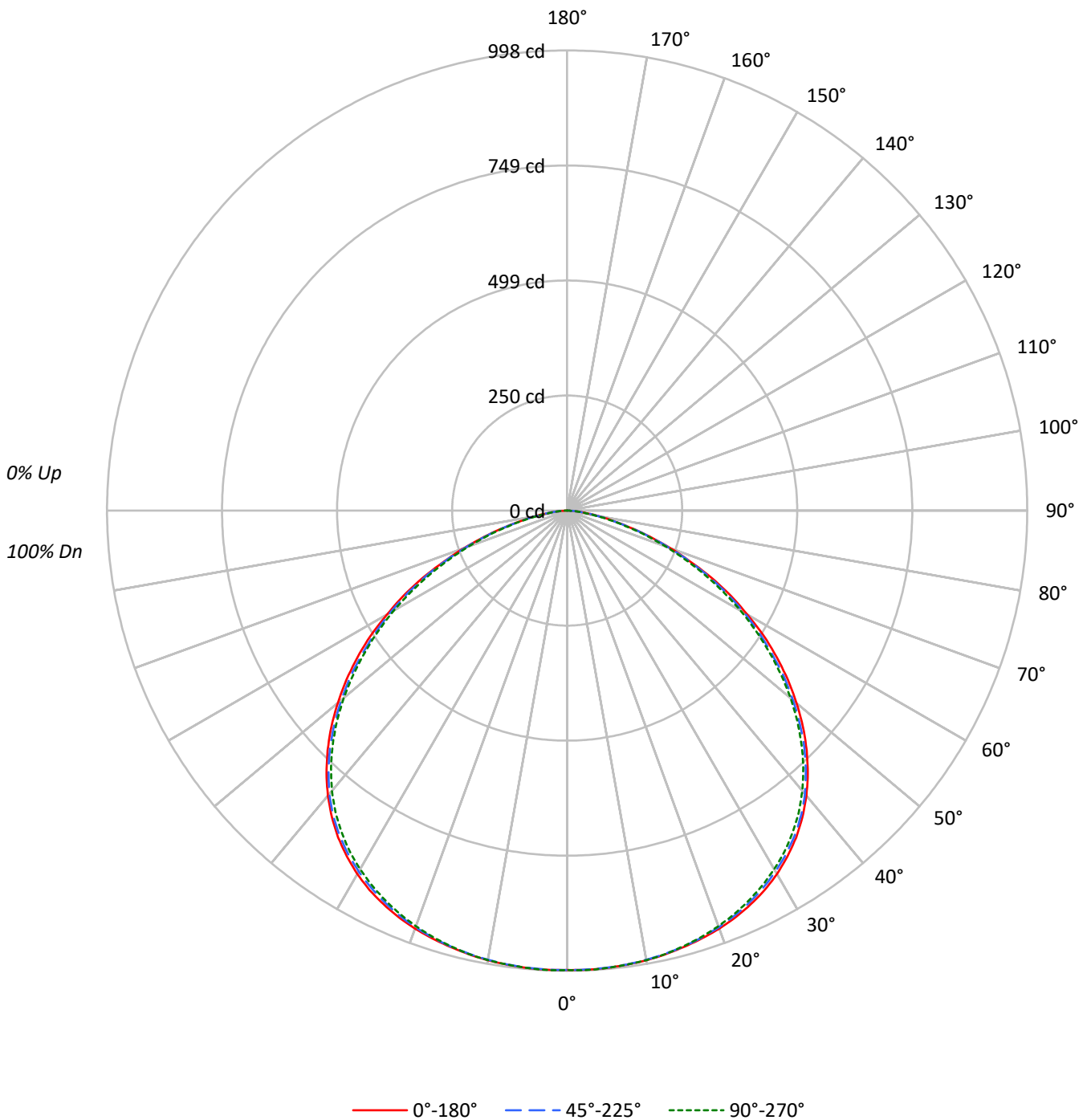
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2900.0 lumens
Efficiency: N/A
Efficacy: 112.4 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°	1341	1341	1341
5°	1345	1344	1345
10°	1353	1351	1353
15°	1365	1363	1362
20°	1381	1377	1374
25°	1399	1391	1385
30°	1414	1404	1395
35°	1422	1413	1400
40°	1418	1410	1394
45°	1398	1384	1369
50°	1360	1338	1324
55°	1303	1272	1256
60°	1214	1193	1169
65°	1101	1079	1047
70°	939	923	893
75°	734	726	691
80°	541	518	490
85°	327	327	304



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.8	3.3
10°-20°	276.7	9.5
20°-30°	432.5	14.9
30°-40°	537.5	18.5
40°-50°	560.0	19.3
50°-60°	486.0	16.8
60°-70°	334.1	11.5
70°-80°	150.8	5.2
80°-90°	27.6	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°	804.0	27.7
0°-40°	1341.5	46.3
0°-60°	2387.4	82.3
0°-90°	2900.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2900.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	997	997	997	997	997	
5°	996	996	995	994	996	95
15°	980	980	978	978	978	277
25°	942	942	937	934	933	435
35°	866	866	860	856	853	541
45°	735	735	727	722	719	565
55°	556	552	542	536	535	495
65°	346	344	339	331	329	341
75°	141	142	140	136	133	154
85°	21	21	21	21	20	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	996.6	996.6	996.6	996.6	996.6
2.5°	996.9	996.9	996.4	995.5	997.5
5°	995.5	995.8	995.2	994.3	995.8
7.5°	993.5	993.7	992.9	992.0	993.2
10°	990.3	990.0	989.1	988.5	990.0
12.5°	985.6	985.3	984.5	983.9	985.1
15°	979.8	979.8	978.4	977.5	977.8
17.5°	972.9	972.9	970.9	968.8	969.4
20°	964.8	964.5	961.6	959.6	959.3
22.5°	954.6	954.6	950.6	948.0	947.1
25°	942.2	941.9	937.2	933.5	932.9
27.5°	928.0	927.4	921.9	918.1	916.7
30°	910.3	909.7	903.9	899.9	898.1
32.5°	889.4	890.3	883.6	879.0	877.2
35°	865.7	865.7	860.4	855.5	852.6
37.5°	838.4	838.4	833.5	828.6	825.1
40°	807.4	807.7	802.5	796.4	793.5
42.5°	772.6	773.2	766.2	761.3	758.1
45°	734.7	734.9	727.4	721.9	719.3
47.5°	693.5	692.9	684.5	679.9	677.3
50°	649.5	648.3	639.0	634.7	632.4
52.5°	603.4	601.1	592.9	586.6	584.5
55°	555.6	552.4	542.2	535.9	535.3
57.5°	505.7	501.9	493.5	487.5	485.1
60°	451.2	450.4	443.4	436.2	434.4
62.5°	400.2	397.6	391.5	382.8	382.0
65°	345.7	344.3	338.8	330.7	328.9
67.5°	289.5	291.0	286.3	279.1	276.8
70°	238.8	239.7	234.5	227.8	226.9
72.5°	187.8	189.2	184.9	180.5	179.7
75°	141.1	141.7	139.7	135.9	133.0
77.5°	100.3	102.3	100.0	97.4	95.1
80°	69.8	66.7	66.9	65.8	63.2
82.5°	42.0	40.6	40.3	39.1	38.0
85°	21.2	20.9	21.2	20.9	19.7
87.5°	7.0	7.5	7.8	7.8	7.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)