

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: P412726

Luminaire Tested: **22PD-35-PP3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-35-PP3-L927
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

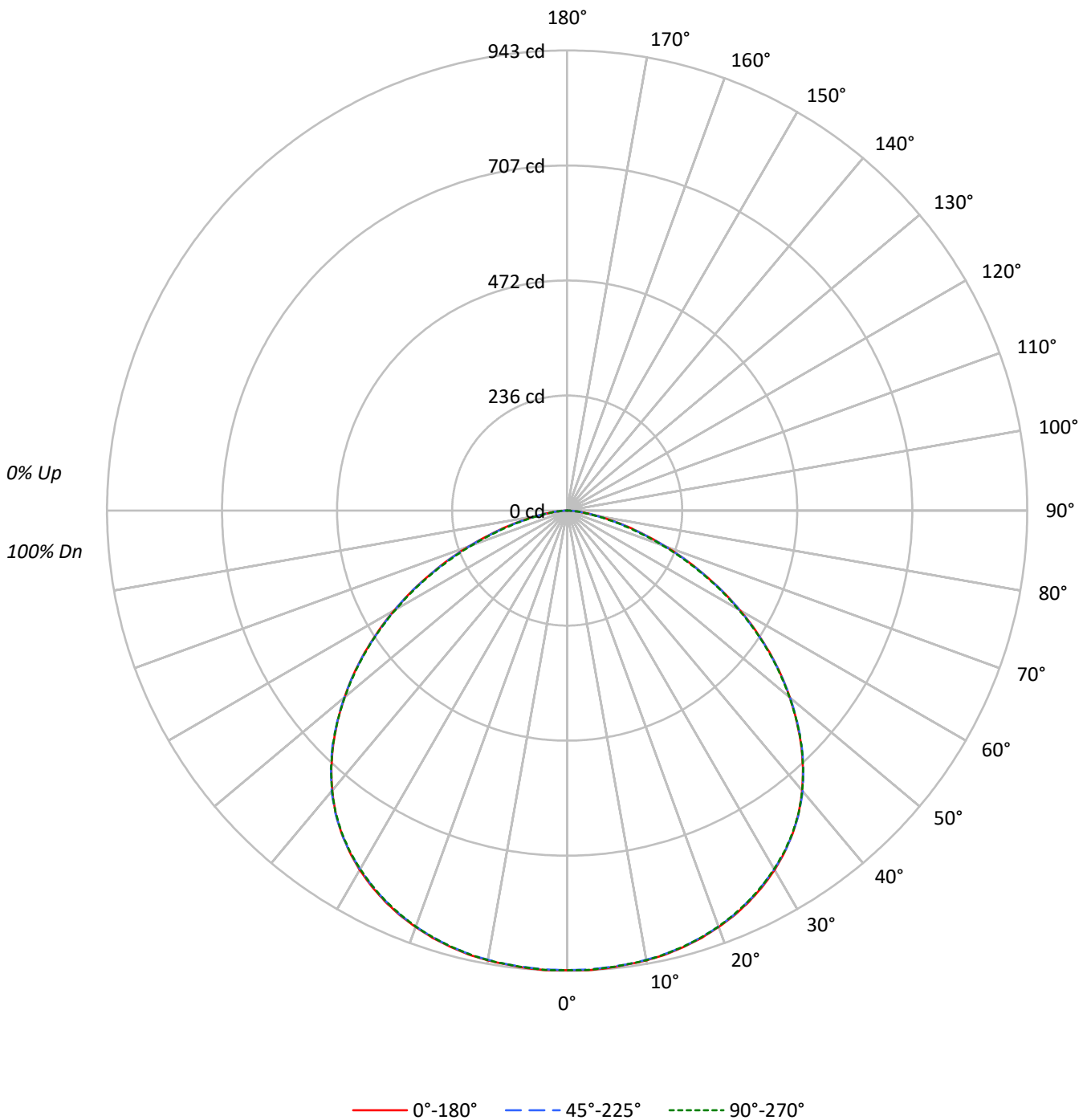
Lumens per Lamp: N/A
Luminaire Lumens: 2702.0 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 29.2
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	87	81	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55		66	60	55		64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	47		57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
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°	2534	2534	2534
5°	2542	2539	2541
10°	2558	2554	2556
15°	2578	2576	2576
20°	2601	2598	2597
25°	2624	2619	2619
30°	2642	2637	2636
35°	2650	2650	2646
40°	2632	2638	2632
45°	2580	2587	2584
50°	2493	2497	2491
55°	2373	2368	2363
60°	2203	2199	2181
65°	1968	1966	1944
70°	1682	1673	1635
75°	1340	1301	1262
80°	955	936	886
85°	621	621	602



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	3.3
10°-20°	261.2	9.7
20°-30°	406.8	15.1
30°-40°	503.5	18.6
40°-50°	522.1	19.3
50°-60°	450.0	16.7
60°-70°	305.9	11.3
70°-80°	136.9	5.1
80°-90°	26.1	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°	757.6	28.0
0°-40°	1261.1	46.7
0°-60°	2233.1	82.6
0°-90°	2702.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2702.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	942	942	942	942	942	
5°	941	939	940	940	940	90
15°	925	924	924	924	924	262
25°	884	882	882	882	882	407
35°	807	806	807	805	806	504
45°	678	677	680	678	679	522
55°	506	504	505	504	504	451
65°	309	312	309	308	305	307
75°	129	129	125	124	121	139
85°	20	21	20	20	20	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	941.8	941.8	941.8	941.8	941.8
2.5°	943.0	941.1	941.1	941.5	942.4
5°	941.1	939.3	939.9	939.6	940.5
7.5°	938.6	937.1	938.0	937.4	938.0
10°	936.1	934.5	934.8	934.5	935.5
12.5°	931.7	929.8	930.4	930.4	930.8
15°	925.4	923.8	924.5	923.8	924.5
17.5°	917.9	916.0	916.3	916.0	916.6
20°	908.1	906.9	907.2	906.5	906.9
22.5°	897.1	895.5	895.9	895.2	895.2
25°	883.6	882.3	882.0	881.7	882.0
27.5°	867.9	866.3	866.3	866.0	866.0
30°	850.3	848.7	848.7	848.4	848.4
32.5°	829.5	828.9	829.2	828.6	828.3
35°	806.6	805.6	806.6	805.3	805.6
37.5°	779.8	778.6	780.5	779.2	779.5
40°	749.3	748.7	750.9	750.0	749.3
42.5°	715.4	715.4	716.3	716.6	716.0
45°	677.9	677.3	679.8	678.3	678.9
47.5°	637.7	636.8	638.6	638.3	638.0
50°	595.6	594.9	596.5	594.9	594.9
52.5°	551.9	551.5	551.9	550.3	550.0
55°	505.9	504.1	504.7	503.7	503.7
57.5°	458.1	455.9	456.3	455.9	456.3
60°	409.4	408.8	408.5	406.9	405.3
62.5°	359.4	360.0	359.7	357.5	356.0
65°	309.1	311.6	308.8	307.8	305.3
67.5°	261.6	262.6	260.7	258.5	255.6
70°	213.8	215.7	212.6	210.4	207.8
72.5°	168.2	169.5	166.7	165.4	162.3
75°	128.9	129.2	125.1	124.5	121.4
77.5°	91.8	93.1	89.9	89.9	86.8
80°	61.6	63.8	60.4	59.4	57.2
82.5°	38.7	39.0	38.0	37.1	36.2
85°	20.1	20.8	20.1	19.5	19.5
87.5°	7.5	7.9	7.5	7.2	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)