

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: P412719

Luminaire Tested: **22PD-30-PP3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412719
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-30-PP3-L935
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

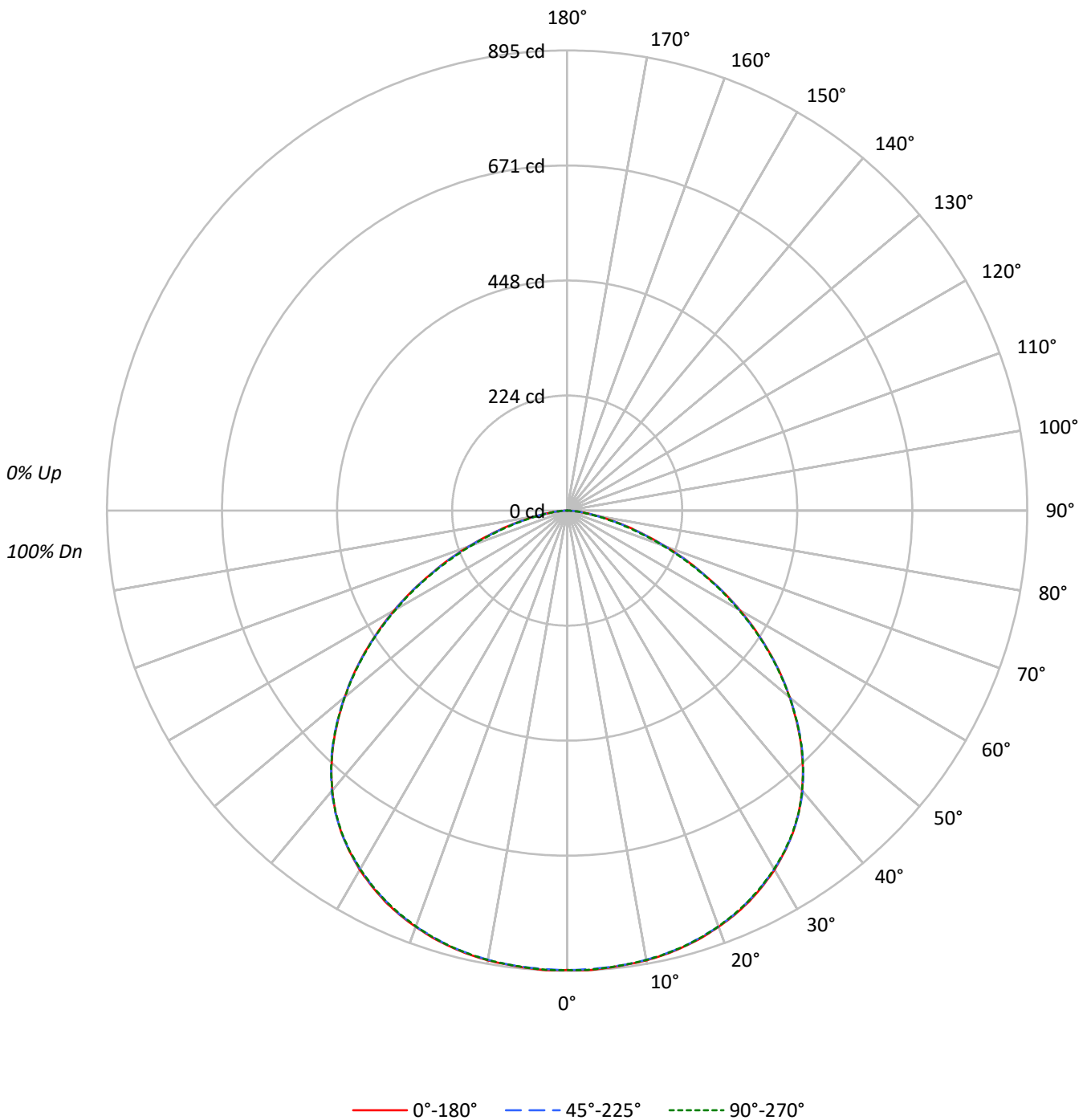
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2564.0 lumens
Efficiency: N/A
Efficacy: 103.0 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): 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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45					45			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39					39			
7	66	52	44	38	64	51	43	37	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31					31			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28					28			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2405	2405	2405
5°	2412	2409	2411
10°	2427	2424	2426
15°	2447	2444	2444
20°	2468	2465	2464
25°	2490	2485	2485
30°	2507	2502	2501
35°	2514	2514	2511
40°	2498	2503	2498
45°	2448	2455	2452
50°	2366	2370	2363
55°	2252	2247	2243
60°	2091	2086	2070
65°	1868	1866	1845
70°	1596	1587	1552
75°	1272	1235	1198
80°	907	888	841
85°	590	590	571



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	3.3
10°-20°	247.9	9.7
20°-30°	386.0	15.1
30°-40°	477.8	18.6
40°-50°	495.4	19.3
50°-60°	427.0	16.7
60°-70°	290.3	11.3
70°-80°	129.9	5.1
80°-90°	24.7	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°	718.9	28.0
0°-40°	1196.7	46.7
0°-60°	2119.0	82.6
0°-90°	2564.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2564.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	894	894	894	894	894	
5°	893	891	892	892	892	85
15°	878	877	877	877	877	248
25°	838	837	837	837	837	387
35°	765	764	765	764	764	478
45°	643	643	645	644	644	495
55°	480	478	479	478	478	428
65°	293	296	293	292	290	291
75°	122	123	119	118	115	132
85°	19	20	19	18	18	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	893.7	893.7	893.7	893.7	893.7
2.5°	894.9	893.1	893.1	893.4	894.3
5°	893.1	891.3	891.9	891.6	892.5
7.5°	890.7	889.2	890.1	889.5	890.1
10°	888.3	886.8	887.1	886.8	887.7
12.5°	884.1	882.3	882.9	882.9	883.2
15°	878.2	876.7	877.3	876.7	877.3
17.5°	871.0	869.2	869.5	869.2	869.8
20°	861.7	860.5	860.8	860.2	860.5
22.5°	851.3	849.8	850.1	849.5	849.5
25°	838.5	837.3	837.0	836.7	837.0
27.5°	823.5	822.1	822.1	821.8	821.8
30°	806.8	805.3	805.3	805.0	805.0
32.5°	787.1	786.5	786.8	786.2	786.0
35°	765.4	764.5	765.4	764.2	764.5
37.5°	740.0	738.8	740.6	739.4	739.7
40°	711.1	710.5	712.5	711.7	711.1
42.5°	678.8	678.8	679.7	680.0	679.4
45°	643.3	642.7	645.1	643.6	644.2
47.5°	605.1	604.2	606.0	605.7	605.4
50°	565.1	564.5	566.0	564.5	564.5
52.5°	523.7	523.4	523.7	522.2	521.9
55°	480.1	478.3	478.9	478.0	478.0
57.5°	434.7	432.7	433.0	432.7	433.0
60°	388.5	387.9	387.6	386.1	384.6
62.5°	341.1	341.7	341.4	339.3	337.8
65°	293.3	295.7	293.0	292.1	289.7
67.5°	248.3	249.2	247.4	245.3	242.6
70°	202.9	204.7	201.7	199.6	197.2
72.5°	159.6	160.8	158.1	157.0	154.0
75°	122.3	122.6	118.8	118.2	115.2
77.5°	87.1	88.3	85.3	85.3	82.4
80°	58.5	60.6	57.3	56.4	54.3
82.5°	36.7	37.0	36.1	35.2	34.3
85°	19.1	19.7	19.1	18.5	18.5
87.5°	7.2	7.5	7.2	6.9	7.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)