

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: P413062

Luminaire Tested: **22PD-30-PC3-L940**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-30-PC3-L940
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

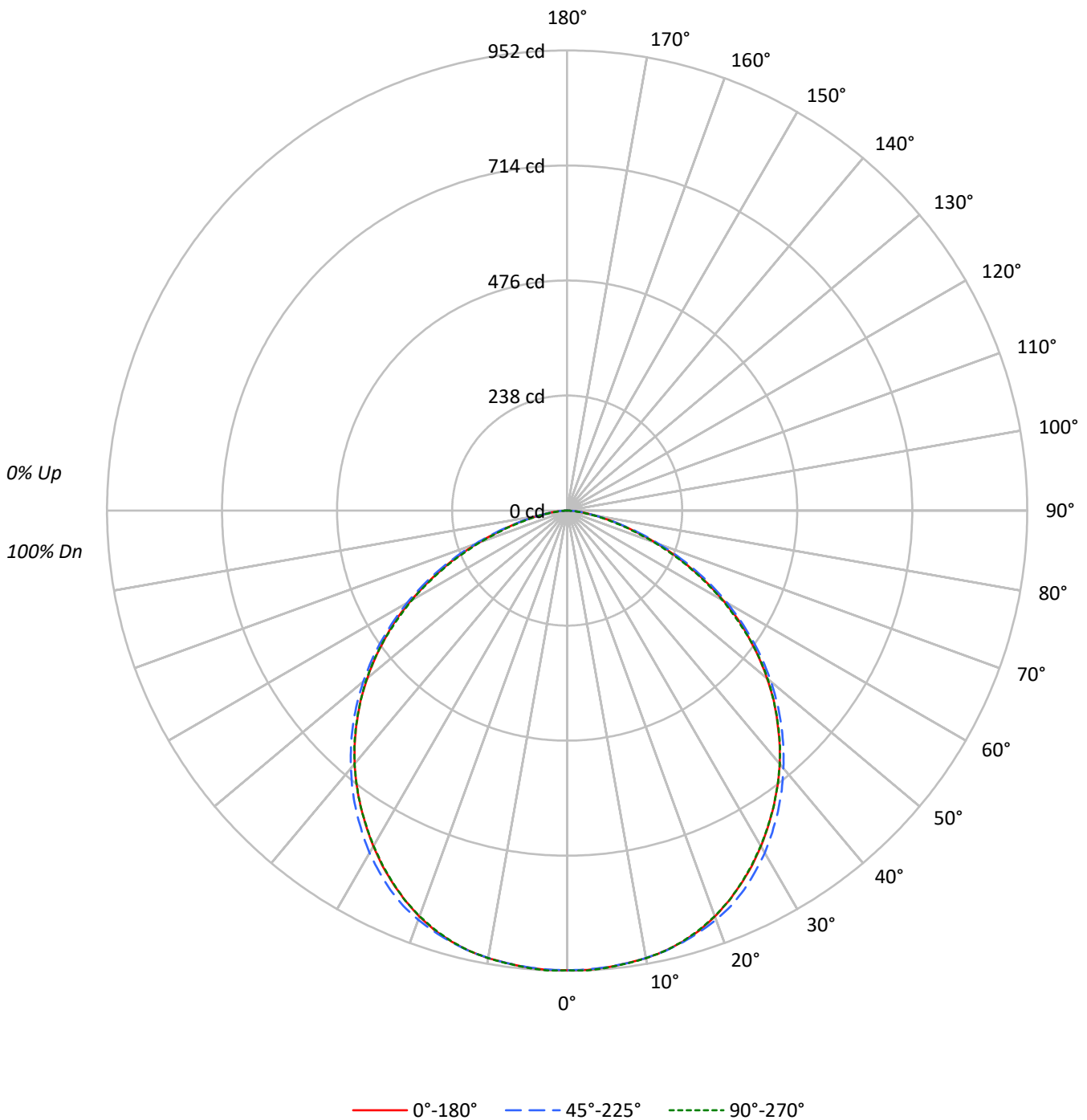
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2555.0 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
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 (A_{in}): 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	110	105	101	97	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2559	2559	2559
5°	2562	2561	2564
10°	2569	2568	2569
15°	2572	2575	2571
20°	2559	2580	2557
25°	2529	2571	2527
30°	2492	2541	2488
35°	2449	2497	2449
40°	2403	2445	2403
45°	2339	2385	2343
50°	2259	2304	2268
55°	2154	2197	2154
60°	2009	2060	1996
65°	1803	1866	1780
70°	1542	1597	1497
75°	1224	1258	1160
80°	877	910	834
85°	580	599	540



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	3.5
10°-20°	260.6	10.2
20°-30°	395.4	15.5
30°-40°	472.3	18.5
40°-50°	480.3	18.8
50°-60°	415.4	16.3
60°-70°	285.9	11.2
70°-80°	129.7	5.1
80°-90°	25.1	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°	746.3	29.2
0°-40°	1218.6	47.7
0°-60°	2114.3	82.8
0°-90°	2555.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2555.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	951	951	951	951	951	
5°	949	948	948	948	949	90
15°	923	924	924	923	923	260
25°	852	859	866	858	851	392
35°	745	759	760	758	745	466
45°	615	626	627	626	616	474
55°	459	467	468	467	459	410
65°	283	291	293	291	280	281
75°	118	122	121	120	112	127
85°	19	20	19	19	18	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	951.1	951.1	951.1	951.1	951.1
2.5°	951.1	949.9	950.2	950.5	952.3
5°	948.6	947.7	948.0	948.0	949.3
7.5°	944.7	944.4	944.4	944.1	945.0
10°	940.2	939.6	939.9	939.6	940.2
12.5°	933.2	933.2	933.5	932.6	933.2
15°	923.2	923.8	924.4	922.9	922.9
17.5°	910.5	912.0	913.6	910.8	909.3
20°	893.6	897.2	900.9	896.6	893.0
22.5°	873.9	880.0	885.4	878.8	873.9
25°	851.8	859.4	865.8	857.9	851.2
27.5°	828.0	836.4	842.5	835.8	826.7
30°	801.9	812.2	817.7	811.3	800.7
32.5°	774.1	786.2	789.5	785.6	773.5
35°	745.4	758.7	760.2	757.5	745.4
37.5°	715.4	728.1	729.3	727.8	715.4
40°	684.0	695.8	696.1	696.1	684.0
42.5°	650.4	661.9	661.9	661.6	651.3
45°	614.7	625.9	626.8	626.2	615.6
47.5°	579.3	587.8	589.3	588.1	578.7
50°	539.7	548.4	550.3	549.0	541.8
52.5°	500.3	508.5	510.3	509.4	501.2
55°	459.2	467.1	468.3	467.4	459.2
57.5°	419.6	424.7	425.9	424.1	413.8
60°	373.3	380.5	382.7	380.5	370.9
62.5°	328.5	336.4	338.2	335.2	324.9
65°	283.1	291.0	293.1	290.7	279.5
67.5°	240.2	245.9	247.7	245.0	234.7
70°	196.0	203.3	203.0	199.3	190.3
72.5°	152.5	162.4	160.6	158.5	148.5
75°	117.7	122.2	121.0	119.8	111.6
77.5°	84.1	89.5	86.5	86.8	79.9
80°	56.6	61.7	58.7	57.5	53.8
82.5°	36.0	38.1	37.5	36.9	33.6
85°	18.8	20.0	19.4	18.8	17.5
87.5°	7.3	7.9	7.3	7.3	6.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)