

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: P412711

Luminaire Tested: **22PD-25-PP3-L940**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412711
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-25-PP3-L940
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

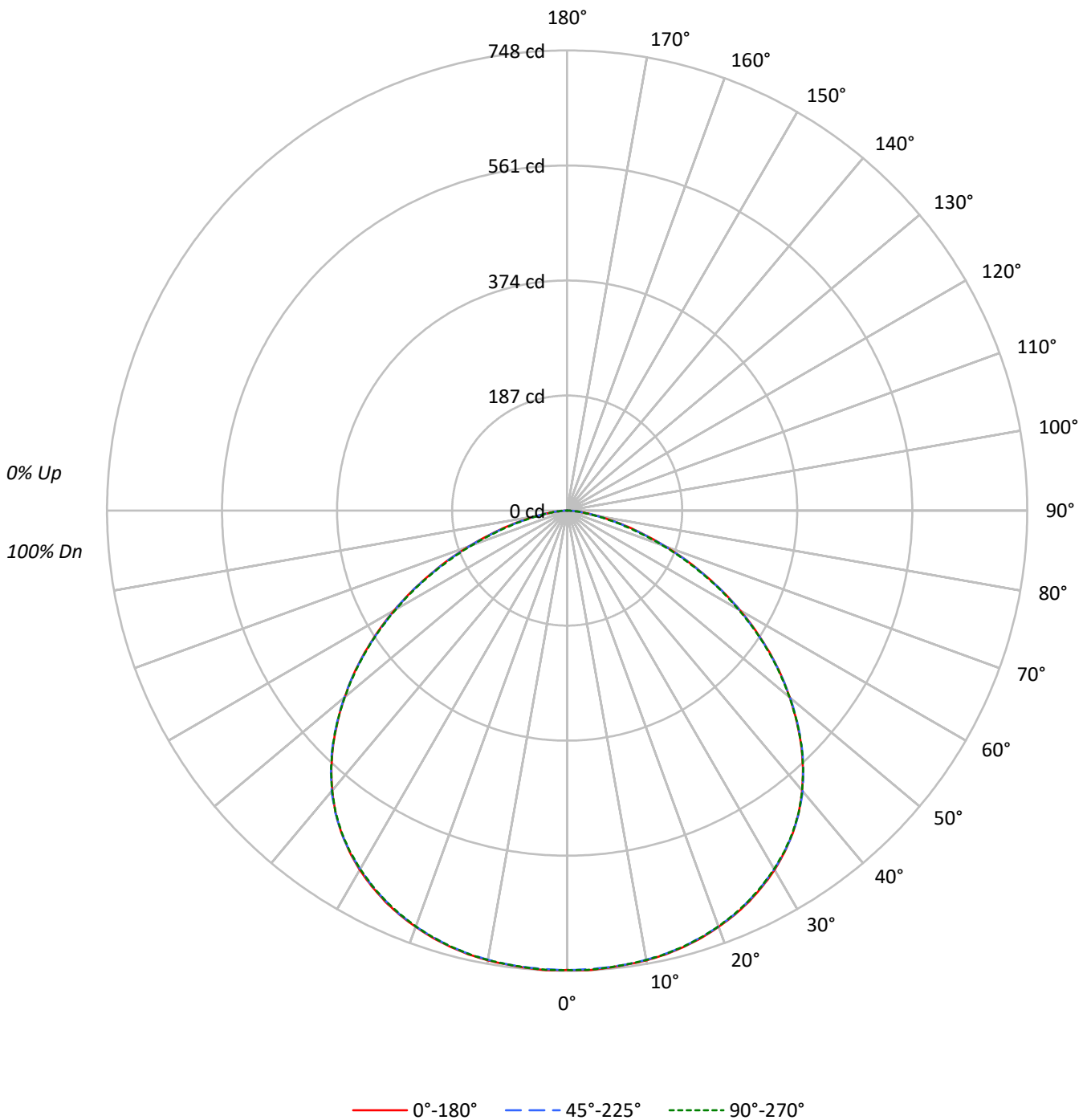
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2143.0 lumens
Efficiency: N/A
Efficacy: 105.0 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): 20.4
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	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	51	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°	2010	2010	2010
5°	2016	2014	2015
10°	2029	2026	2027
15°	2045	2043	2043
20°	2062	2060	2060
25°	2081	2077	2077
30°	2096	2092	2091
35°	2101	2101	2099
40°	2088	2092	2088
45°	2046	2052	2049
50°	1977	1981	1976
55°	1883	1878	1874
60°	1748	1744	1730
65°	1561	1559	1542
70°	1334	1327	1297
75°	1064	1032	1001
80°	758	742	704
85°	494	494	479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	3.3
10°-20°	207.2	9.7
20°-30°	322.6	15.1
30°-40°	399.3	18.6
40°-50°	414.1	19.3
50°-60°	356.9	16.7
60°-70°	242.6	11.3
70°-80°	108.6	5.1
80°-90°	20.7	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°	600.9	28.0
0°-40°	1000.2	46.7
0°-60°	1771.1	82.6
0°-90°	2143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2143.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	747	747	747	747	747	
5°	746	745	745	745	746	71
15°	734	733	733	733	733	207
25°	701	700	700	699	700	323
35°	640	639	640	639	639	400
45°	538	537	539	538	538	414
55°	401	400	400	400	400	358
65°	245	247	245	244	242	243
75°	102	102	99	99	96	110
85°	16	16	16	16	16	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	746.9	746.9	746.9	746.9	746.9
2.5°	747.9	746.4	746.4	746.7	747.4
5°	746.4	744.9	745.4	745.2	745.9
7.5°	744.4	743.2	743.9	743.4	743.9
10°	742.4	741.2	741.4	741.2	741.9
12.5°	739.0	737.5	738.0	738.0	738.2
15°	734.0	732.7	733.2	732.7	733.2
17.5°	728.0	726.5	726.7	726.5	727.0
20°	720.2	719.2	719.5	719.0	719.2
22.5°	711.5	710.3	710.5	710.0	710.0
25°	700.8	699.8	699.5	699.3	699.5
27.5°	688.3	687.1	687.1	686.8	686.8
30°	674.4	673.1	673.1	672.9	672.9
32.5°	657.9	657.4	657.6	657.1	656.9
35°	639.7	638.9	639.7	638.7	638.9
37.5°	618.5	617.5	619.0	618.0	618.2
40°	594.3	593.8	595.5	594.8	594.3
42.5°	567.4	567.4	568.1	568.4	567.9
45°	537.7	537.2	539.2	537.9	538.4
47.5°	505.8	505.0	506.5	506.3	506.0
50°	472.3	471.9	473.1	471.9	471.9
52.5°	437.7	437.4	437.7	436.4	436.2
55°	401.3	399.8	400.3	399.5	399.5
57.5°	363.4	361.6	361.9	361.6	361.9
60°	324.7	324.2	324.0	322.7	321.5
62.5°	285.1	285.6	285.3	283.6	282.3
65°	245.2	247.1	244.9	244.2	242.2
67.5°	207.5	208.2	206.7	205.0	202.8
70°	169.6	171.1	168.6	166.8	164.8
72.5°	133.4	134.4	132.2	131.2	128.7
75°	102.3	102.5	99.3	98.8	96.3
77.5°	72.8	73.8	71.3	71.3	68.8
80°	48.9	50.6	47.9	47.1	45.4
82.5°	30.7	30.9	30.2	29.4	28.7
85°	16.0	16.5	16.0	15.5	15.5
87.5°	6.0	6.2	6.0	5.7	6.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)