

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: P412738

Luminaire Tested: **22PD-40-PP3-L940**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412738
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-40-PP3-L940
Description: 4000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

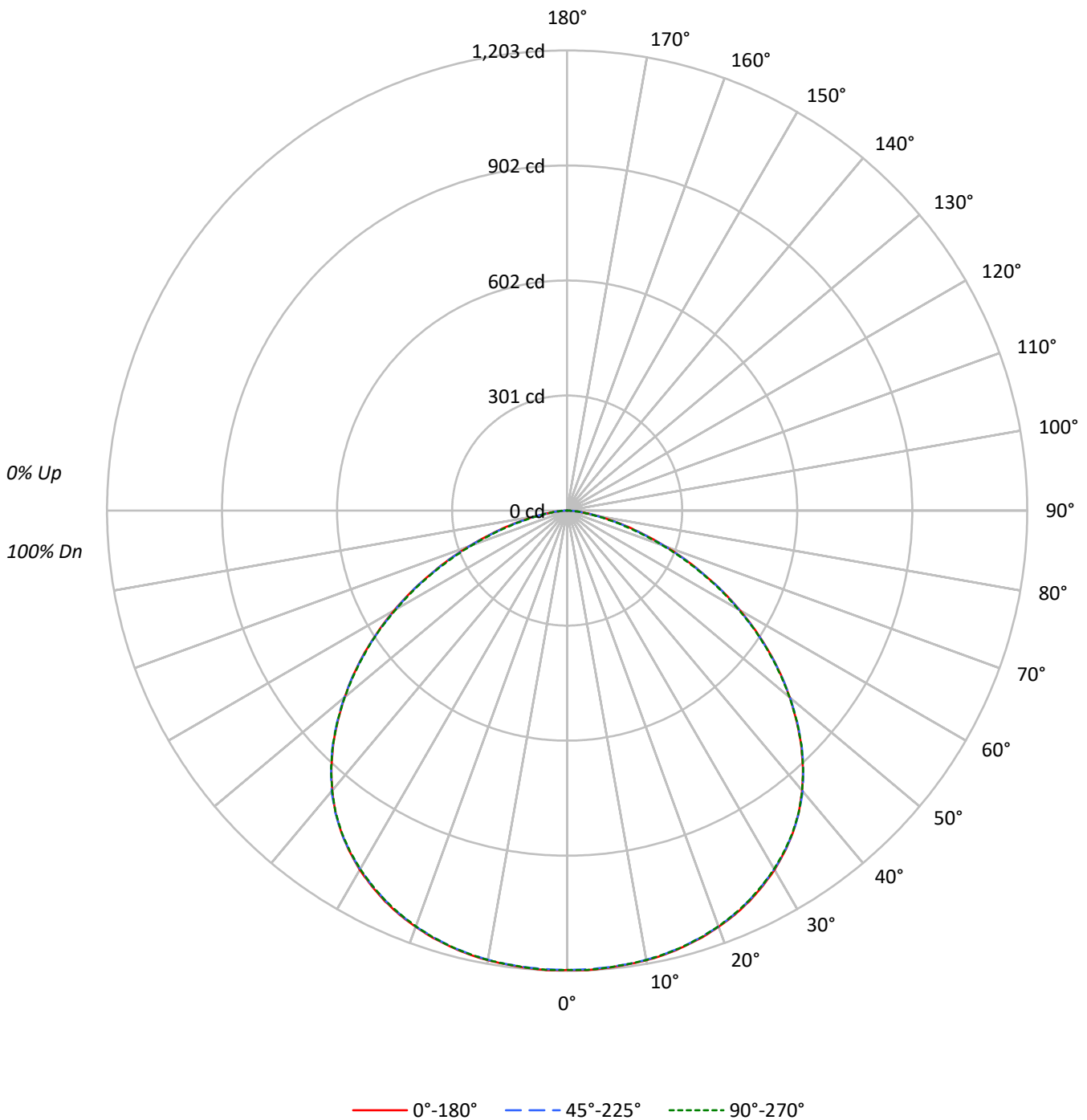
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3446.0 lumens
Efficiency: N/A
Efficacy: 102.0 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): 33.8
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

TEST NUMBER: P412738
CATALOG NUMBER: 22PD-40-PP3-L940

Luminous Intensity Polar Plot





TEST NUMBER: P412738

CATALOG NUMBER: 22PD-40-PP3-L940

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°	3232	3232	3232
5°	3242	3238	3240
10°	3262	3258	3260
15°	3288	3285	3285
20°	3317	3313	3312
25°	3346	3340	3340
30°	3370	3363	3362
35°	3379	3379	3375
40°	3357	3364	3357
45°	3290	3299	3295
50°	3180	3185	3176
55°	3027	3020	3014
60°	2810	2803	2782
65°	2510	2507	2479
70°	2146	2133	2086
75°	1709	1659	1609
80°	1218	1193	1131
85°	794	794	769



TEST NUMBER: P412738

CATALOG NUMBER: 22PD-40-PP3-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.2	3.3
10°-20°	333.2	9.7
20°-30°	518.8	15.1
30°-40°	642.1	18.6
40°-50°	665.8	19.3
50°-60°	573.9	16.7
60°-70°	390.2	11.3
70°-80°	174.6	5.1
80°-90°	33.2	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°	966.2	28.0
0°-40°	1608.3	46.7
0°-60°	2848.0	82.6
0°-90°	3446.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3446.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1201	1201	1201	1201	1201	
5°	1200	1198	1199	1198	1200	114
15°	1180	1178	1179	1178	1179	334
25°	1127	1125	1125	1124	1125	520
35°	1029	1027	1029	1027	1027	643
45°	865	864	867	865	866	665
55°	645	643	644	642	642	575
65°	394	397	394	393	389	391
75°	164	165	160	159	155	177
85°	26	26	26	25	25	34
90°	0	0	0	0	0	



TEST NUMBER: P412738

CATALOG NUMBER: 22PD-40-PP3-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1201.1	1201.1	1201.1	1201.1	1201.1
2.5°	1202.7	1200.3	1200.3	1200.7	1201.9
5°	1200.3	1197.9	1198.7	1198.3	1199.5
7.5°	1197.1	1195.1	1196.3	1195.5	1196.3
10°	1193.9	1191.9	1192.3	1191.9	1193.1
12.5°	1188.3	1185.8	1186.6	1186.6	1187.0
15°	1180.2	1178.2	1179.0	1178.2	1179.0
17.5°	1170.6	1168.2	1168.6	1168.2	1169.0
20°	1158.2	1156.6	1157.0	1156.2	1156.6
22.5°	1144.1	1142.1	1142.5	1141.7	1141.7
25°	1126.9	1125.3	1124.9	1124.5	1124.9
27.5°	1106.8	1104.8	1104.8	1104.4	1104.4
30°	1084.4	1082.4	1082.4	1082.0	1082.0
32.5°	1057.9	1057.1	1057.5	1056.7	1056.3
35°	1028.6	1027.4	1028.6	1027.0	1027.4
37.5°	994.6	993.0	995.4	993.8	994.2
40°	955.7	954.9	957.7	956.5	955.7
42.5°	912.3	912.3	913.5	913.9	913.1
45°	864.6	863.8	867.0	865.0	865.8
47.5°	813.3	812.1	814.5	814.1	813.7
50°	759.6	758.7	760.8	758.7	758.7
52.5°	703.8	703.4	703.8	701.8	701.4
55°	645.3	642.9	643.7	642.4	642.4
57.5°	584.3	581.5	581.9	581.5	581.9
60°	522.1	521.3	520.9	518.9	516.9
62.5°	458.4	459.2	458.8	456.0	454.0
65°	394.2	397.4	393.8	392.6	389.4
67.5°	333.7	334.9	332.5	329.6	326.0
70°	272.7	275.1	271.1	268.3	265.1
72.5°	214.6	216.2	212.5	210.9	206.9
75°	164.4	164.8	159.6	158.8	154.8
77.5°	117.1	118.7	114.7	114.7	110.7
80°	78.6	81.4	77.0	75.8	73.0
82.5°	49.3	49.7	48.5	47.3	46.1
85°	25.7	26.5	25.7	24.9	24.9
87.5°	9.6	10.0	9.6	9.2	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)