

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: P413180

Luminaire Tested: **24PD-30-PC3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413180
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-46)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-30-PC3-L950
Description: 3000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

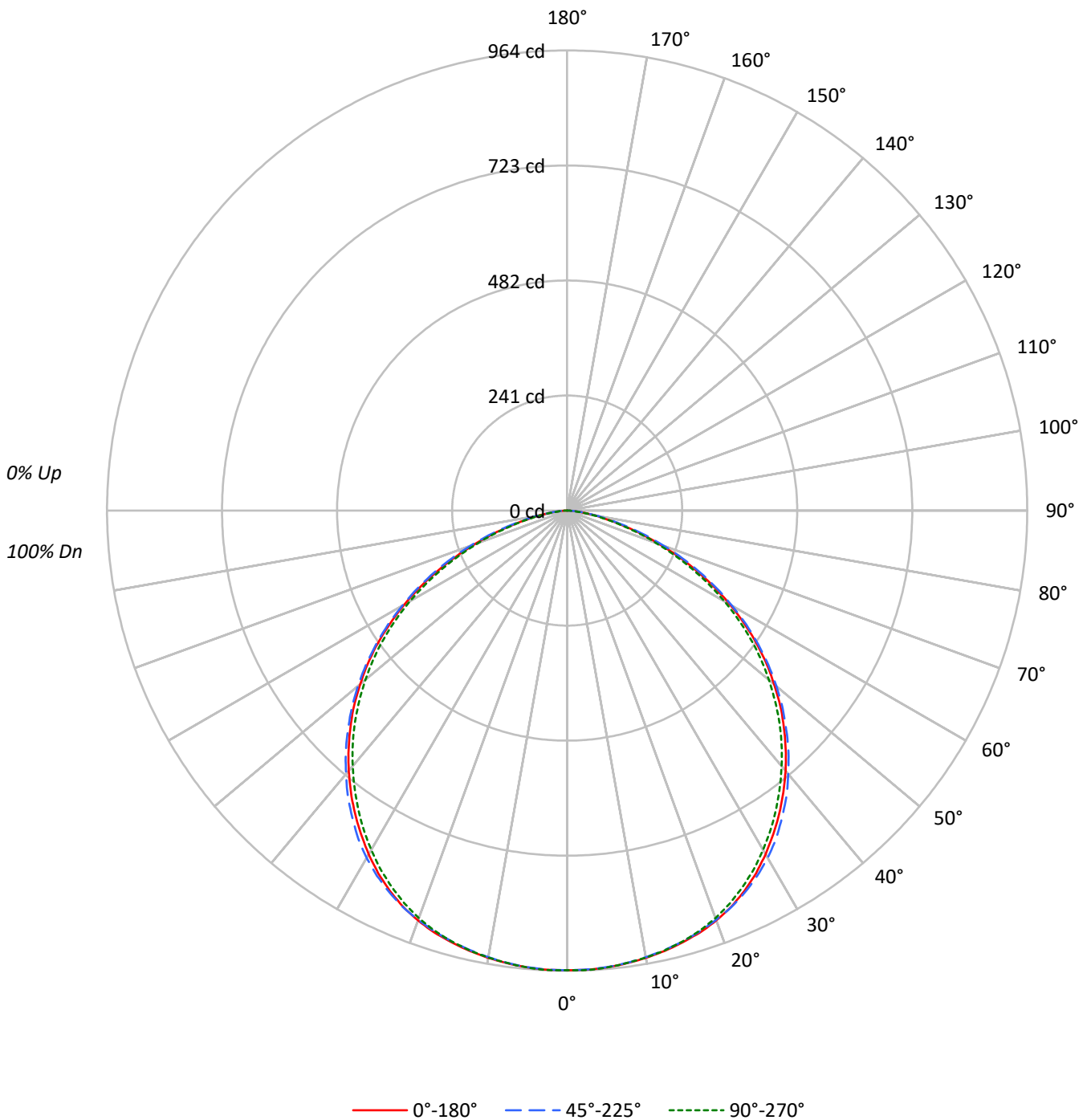
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2632.0 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22
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	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		47	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1296	1296	1296
5°	1297	1297	1298
10°	1300	1298	1299
15°	1304	1302	1302
20°	1308	1307	1301
25°	1305	1310	1291
30°	1292	1305	1276
35°	1273	1289	1253
40°	1250	1265	1228
45°	1222	1235	1197
50°	1184	1198	1155
55°	1136	1146	1102
60°	1060	1072	1024
65°	955	979	918
70°	811	847	779
75°	628	674	599
80°	467	487	424
85°	289	309	267



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.3	3.5
10°-20°	264.1	10.0
20°-30°	404.4	15.4
30°-40°	486.5	18.5
40°-50°	496.1	18.8
50°-60°	430.1	16.3
60°-70°	298.2	11.3
70°-80°	136.2	5.2
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°	759.8	28.9
0°-40°	1246.3	47.4
0°-60°	2172.5	82.5
0°-90°	2632.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2632.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	963	963	963	963	963	
5°	960	960	960	960	961	91
15°	936	936	934	934	935	265
25°	879	881	882	874	870	405
35°	775	783	785	775	763	485
45°	642	650	649	640	629	495
55°	484	487	488	476	470	431
65°	300	306	308	297	288	297
75°	121	128	130	125	115	132
85°	19	19	20	19	17	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	962.9	962.9	962.9	962.9	962.9
2.5°	962.9	962.9	962.4	961.9	963.5
5°	960.5	960.5	960.0	959.5	960.8
7.5°	956.8	956.5	956.0	955.5	956.3
10°	951.5	951.2	950.1	949.8	950.9
12.5°	944.8	944.5	942.9	942.9	943.7
15°	936.2	936.0	934.4	933.6	934.6
17.5°	926.6	926.4	924.5	922.4	922.9
20°	913.8	913.8	912.5	909.3	908.5
22.5°	898.4	899.2	899.2	893.0	890.6
25°	878.9	881.3	882.1	874.4	869.8
27.5°	856.8	860.5	862.6	852.8	846.9
30°	831.4	837.6	840.2	829.6	821.0
32.5°	803.7	811.4	814.6	804.2	793.3
35°	774.9	783.1	784.7	774.6	763.1
37.5°	744.2	752.7	754.9	745.8	731.7
40°	711.9	720.5	720.5	713.0	699.1
42.5°	677.8	686.8	686.6	677.5	665.0
45°	642.3	650.3	649.2	640.4	629.0
47.5°	605.8	610.8	612.2	601.8	590.8
50°	565.7	570.8	572.2	560.4	551.9
52.5°	526.3	529.5	531.3	517.7	511.6
55°	484.1	487.1	488.4	476.4	469.7
57.5°	439.6	443.3	444.9	432.9	425.4
60°	394.0	398.0	398.5	387.3	380.4
62.5°	347.6	352.9	354.0	342.8	334.5
65°	300.1	306.5	307.5	297.1	288.3
67.5°	252.6	261.1	261.4	252.9	242.5
70°	206.2	215.5	215.3	208.1	197.9
72.5°	161.9	170.4	172.3	165.6	155.8
75°	120.8	127.5	129.6	125.4	115.2
77.5°	85.9	92.0	93.9	89.9	82.4
80°	60.3	60.5	62.9	59.7	54.7
82.5°	37.3	36.8	37.6	36.3	33.3
85°	18.7	19.2	20.0	18.9	17.3
87.5°	6.4	6.7	7.2	7.2	6.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)