

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: CORELITE

Report Number: P738507

Luminaire Tested: **24PT-40-PL1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738507
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-40-PL1-L930
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

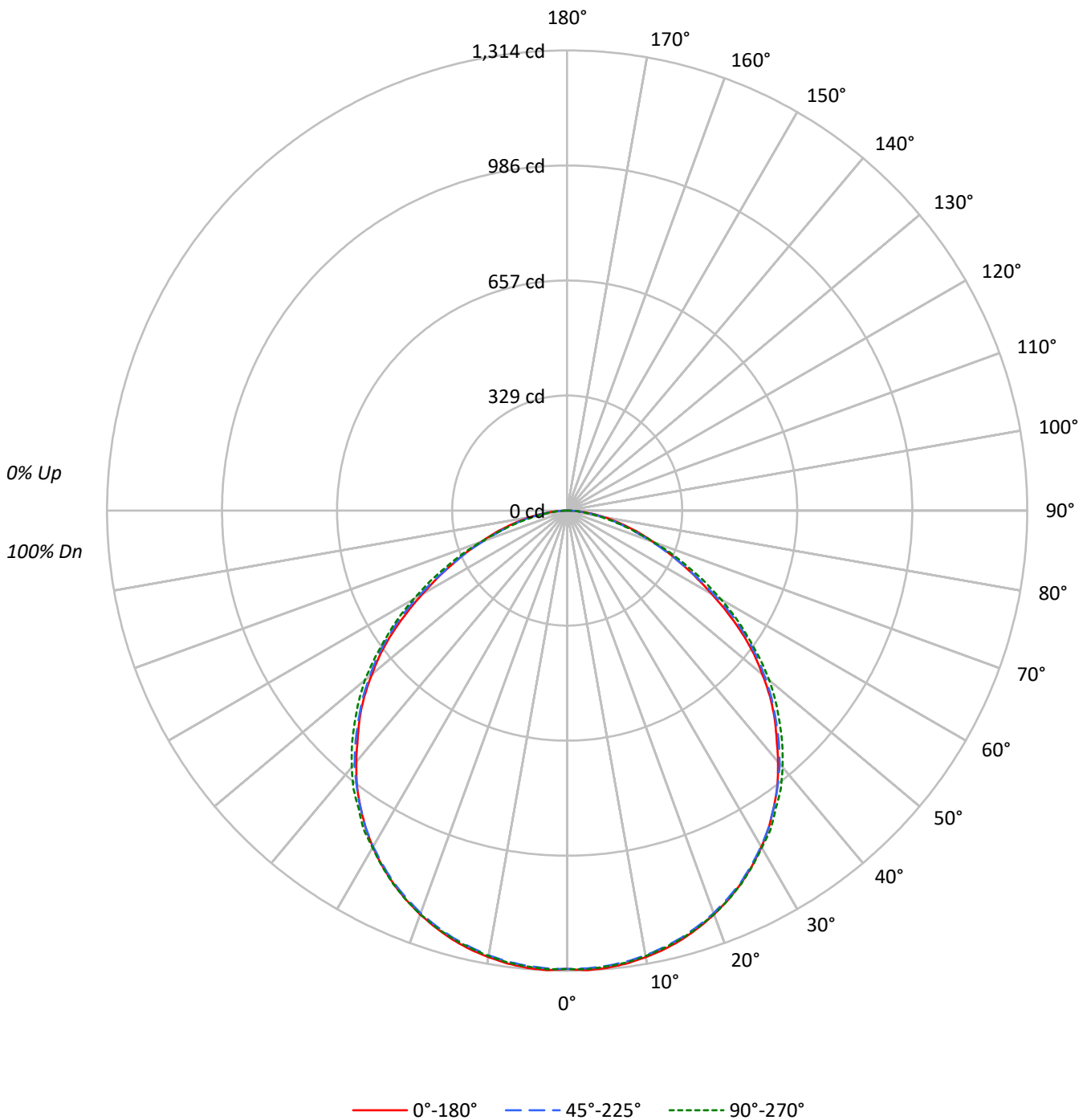
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3465.0 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 32.7
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	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	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1877	1877	1877
5°	1886	1878	1881
10°	1885	1877	1881
15°	1882	1874	1878
20°	1872	1867	1871
25°	1858	1854	1860
30°	1837	1834	1840
35°	1803	1804	1818
40°	1754	1767	1791
45°	1699	1707	1740
50°	1623	1642	1681
55°	1524	1552	1576
60°	1368	1402	1453
65°	1224	1227	1293
70°	1092	1061	1100
75°	986	927	911
80°	876	817	721
85°	717	681	563



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.2	3.6
10°-20°	356.5	10.3
20°-30°	540.2	15.6
30°-40°	645.5	18.6
40°-50°	651.2	18.8
50°-60°	552.5	15.9
60°-70°	365.5	10.5
70°-80°	181.4	5.2
80°-90°	48.0	1.4
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°	1020.9	29.5
0°-40°	1666.4	48.1
0°-60°	2870.1	82.8
0°-90°	3465.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3465.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1309	1309	1309	1309	1309	
5°	1311	1306	1305	1304	1307	125
15°	1268	1264	1262	1262	1265	358
25°	1175	1172	1172	1172	1176	541
35°	1030	1029	1031	1036	1038	644
45°	838	837	842	853	858	645
55°	610	611	621	626	630	542
65°	361	360	362	373	381	360
75°	178	173	167	162	164	190
85°	44	44	41	38	34	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1309.1	1309.1	1309.1	1309.1	1309.1
2.5°	1313.6	1309.4	1308.3	1307.6	1310.6
5°	1310.6	1306.1	1304.9	1304.2	1306.8
7.5°	1304.5	1299.7	1298.9	1298.2	1301.5
10°	1294.8	1290.2	1289.5	1288.7	1291.8
12.5°	1283.1	1278.6	1277.1	1277.5	1279.3
15°	1267.7	1263.5	1262.4	1262.4	1265.0
17.5°	1248.5	1244.7	1244.0	1243.6	1247.0
20°	1227.0	1223.3	1223.3	1224.4	1226.3
22.5°	1202.6	1199.9	1198.4	1199.2	1203.0
25°	1174.7	1172.1	1172.1	1171.7	1175.9
27.5°	1143.9	1140.5	1140.5	1143.5	1145.0
30°	1109.3	1106.3	1107.8	1110.0	1111.5
32.5°	1072.0	1070.1	1071.3	1074.6	1080.7
35°	1030.2	1028.7	1030.6	1036.3	1038.5
37.5°	986.6	985.5	988.1	995.6	1002.0
40°	936.9	936.9	944.1	950.8	956.9
42.5°	885.4	888.8	894.0	904.6	909.8
45°	838.0	836.8	841.7	853.0	858.3
47.5°	785.3	784.2	791.3	799.2	807.9
50°	727.7	727.3	736.0	742.8	753.7
52.5°	671.7	675.0	680.7	686.7	693.1
55°	609.6	611.1	620.9	626.5	630.3
57.5°	542.6	547.5	559.5	567.8	571.2
60°	477.1	480.1	488.8	503.5	506.8
62.5°	417.7	418.8	424.1	440.6	445.1
65°	360.8	360.1	361.6	372.9	381.2
67.5°	309.3	306.3	306.3	312.3	322.5
70°	260.4	255.9	253.2	255.1	262.3
72.5°	219.4	213.3	206.6	205.4	210.0
75°	178.0	173.1	167.4	162.2	164.4
77.5°	141.9	137.7	132.4	126.4	123.4
80°	106.1	104.6	99.0	93.3	87.3
82.5°	74.1	73.0	69.2	64.7	61.0
85°	43.6	43.6	41.4	38.0	34.2
87.5°	19.6	18.8	19.6	16.6	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)