

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: P738515

Luminaire Tested: **24PT-40-PR1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-40-PR1-L930
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

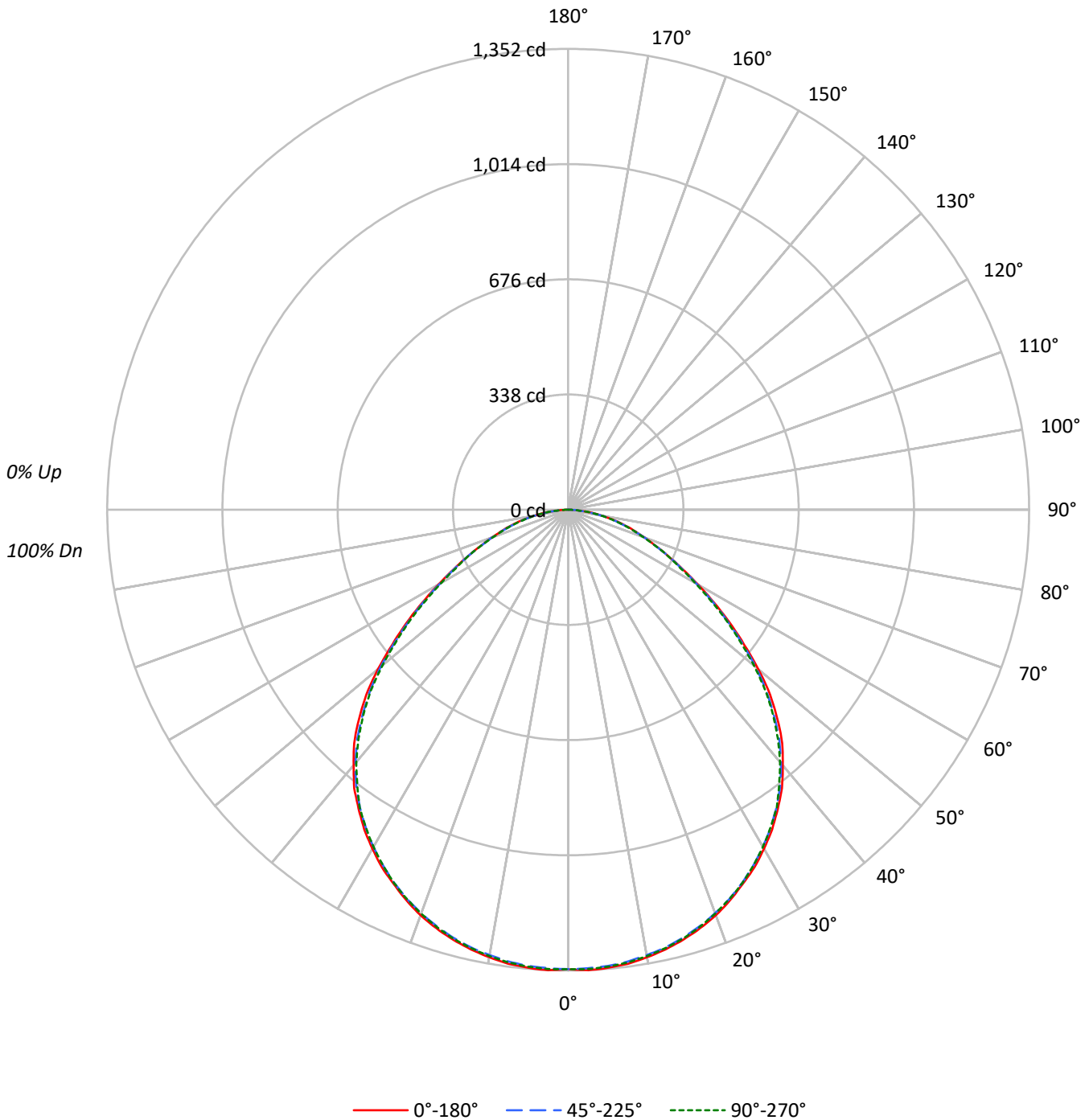
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3433.0 lumens
Efficiency: N/A
Efficacy: 105.0 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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1933	1933	1933
5°	1942	1934	1937
10°	1941	1932	1936
15°	1938	1930	1933
20°	1932	1922	1924
25°	1917	1911	1912
30°	1902	1891	1891
35°	1875	1864	1866
40°	1833	1817	1810
45°	1760	1732	1722
50°	1624	1601	1586
55°	1446	1425	1416
60°	1260	1247	1233
65°	1104	1106	1099
70°	994	991	976
75°	926	899	901
80°	827	811	811
85°	638	656	632



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.8	3.7
10°-20°	367.2	10.7
20°-30°	556.7	16.2
30°-40°	665.8	19.4
40°-50°	657.4	19.1
50°-60°	511.7	14.9
60°-70°	324.8	9.5
70°-80°	174.3	5.1
80°-90°	47.3	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°	1051.7	30.6
0°-40°	1717.5	50.0
0°-60°	2886.6	84.1
0°-90°	3433.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3433.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1348	1348	1348	1348	1348	
5°	1349	1345	1344	1343	1346	128
15°	1306	1301	1300	1299	1302	369
25°	1211	1209	1208	1205	1208	559
35°	1071	1069	1065	1062	1066	670
45°	868	862	854	850	849	666
55°	578	575	570	566	566	518
65°	326	327	326	322	324	327
75°	167	164	162	162	163	177
85°	39	40	40	40	38	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1348.0	1348.0	1348.0	1348.0	1348.0
2.5°	1352.5	1348.0	1346.5	1345.7	1349.1
5°	1349.1	1345.0	1343.5	1342.7	1345.7
7.5°	1343.5	1338.6	1337.1	1336.3	1339.7
10°	1333.3	1328.8	1326.9	1326.9	1329.9
12.5°	1321.3	1317.5	1315.6	1314.1	1317.5
15°	1305.8	1301.3	1300.2	1298.7	1302.5
17.5°	1287.4	1282.9	1281.4	1280.6	1283.3
20°	1266.3	1260.7	1259.9	1259.6	1261.1
22.5°	1240.4	1237.4	1235.9	1235.1	1236.2
25°	1211.4	1209.1	1207.6	1205.4	1208.4
27.5°	1183.2	1180.2	1176.4	1174.5	1176.4
30°	1148.5	1144.8	1142.1	1141.4	1142.1
32.5°	1112.8	1109.0	1105.6	1105.3	1104.9
35°	1071.4	1069.1	1065.0	1061.6	1066.1
37.5°	1030.4	1025.1	1021.3	1017.2	1016.1
40°	979.2	977.3	970.9	967.2	966.8
42.5°	929.5	920.9	916.4	913.7	909.6
45°	867.8	861.8	853.9	849.7	849.4
47.5°	803.5	795.9	788.4	782.8	784.3
50°	728.2	724.8	717.7	712.8	710.9
52.5°	650.7	649.9	642.4	639.4	636.0
55°	578.4	575.4	570.1	566.4	566.4
57.5°	507.3	504.7	502.0	494.9	494.9
60°	439.5	439.2	434.7	430.5	430.1
62.5°	379.0	381.2	377.1	372.9	370.7
65°	325.5	326.7	325.9	321.8	324.0
67.5°	278.5	278.9	277.4	275.1	276.6
70°	237.1	239.0	236.3	234.8	232.9
72.5°	201.0	200.2	197.9	199.1	196.4
75°	167.1	164.5	162.2	161.8	162.6
77.5°	133.2	132.5	130.6	130.6	129.5
80°	100.1	99.3	98.2	98.6	98.2
82.5°	71.1	69.2	67.7	68.5	68.9
85°	38.8	39.5	39.9	39.9	38.4
87.5°	15.8	15.4	15.8	16.6	16.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)