

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: P738499

Luminaire Tested: **24PT-40-PC3-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-40-PC3-L930
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

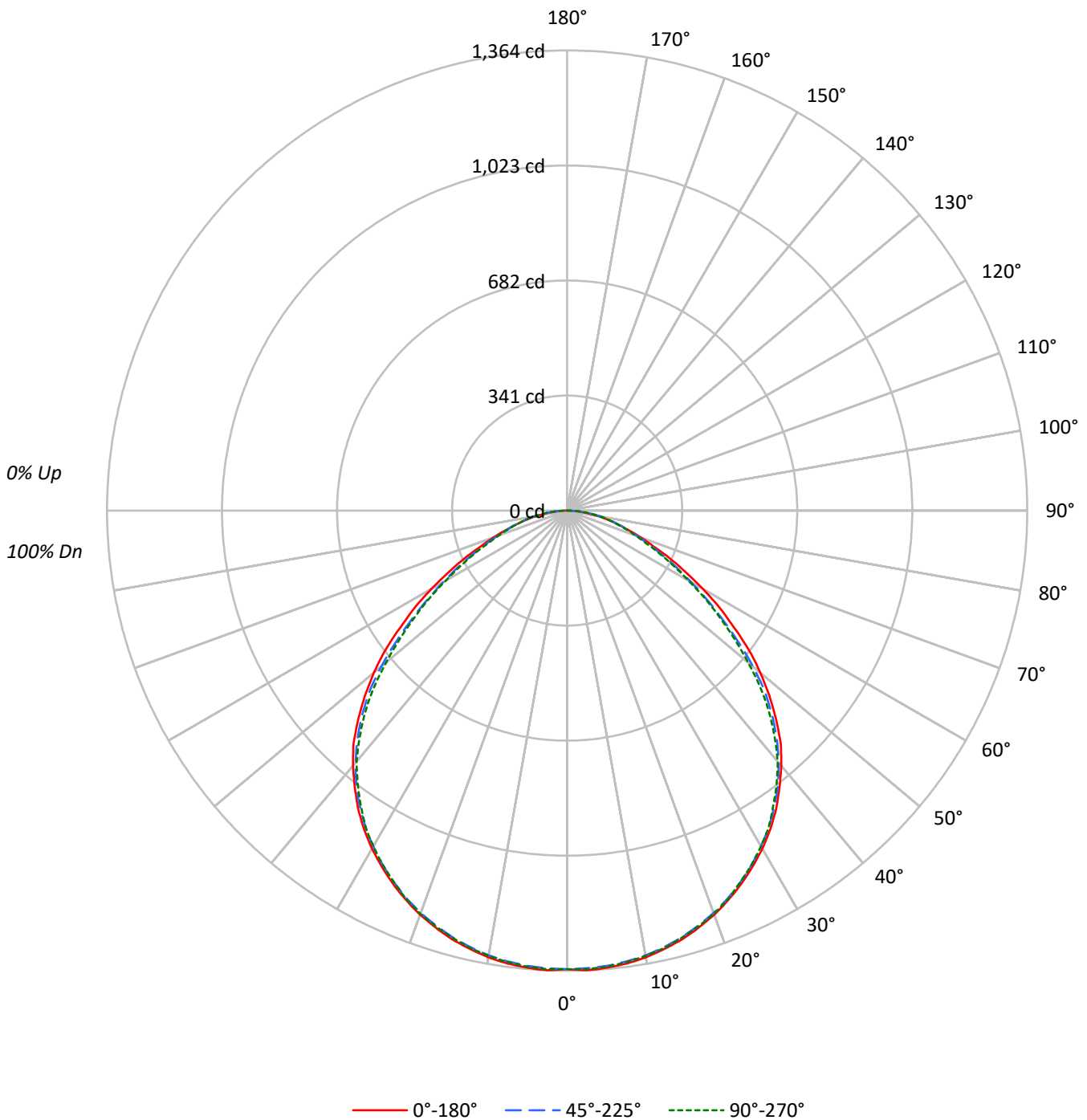
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3429.0 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	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	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1949	1949	1949
5°	1958	1950	1953
10°	1958	1949	1952
15°	1953	1944	1947
20°	1946	1936	1940
25°	1932	1923	1922
30°	1916	1903	1902
35°	1890	1875	1866
40°	1848	1826	1817
45°	1776	1743	1719
50°	1668	1604	1561
55°	1508	1405	1379
60°	1333	1216	1192
65°	1140	1054	1027
70°	966	925	898
75°	847	861	832
80°	759	837	790
85°	642	765	729



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.9	3.8
10°-20°	370.0	10.8
20°-30°	560.4	16.3
30°-40°	669.4	19.5
40°-50°	660.3	19.3
50°-60°	511.2	14.9
60°-70°	314.2	9.2
70°-80°	164.6	4.8
80°-90°	49.9	1.5
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°	1059.3	30.9
0°-40°	1728.7	50.4
0°-60°	2900.2	84.6
0°-90°	3429.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3429.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1359	1359	1359	1359	1359	
5°	1360	1356	1354	1354	1357	129
15°	1316	1312	1310	1309	1311	371
25°	1221	1218	1215	1214	1215	563
35°	1080	1075	1071	1068	1066	674
45°	876	869	860	850	848	674
55°	603	587	562	554	552	541
65°	336	320	311	302	303	335
75°	153	154	156	152	150	165
85°	39	44	46	45	44	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1359.4	1359.4	1359.4	1359.4	1359.4
2.5°	1363.9	1359.8	1357.9	1357.5	1360.5
5°	1360.2	1356.0	1354.5	1353.7	1357.1
7.5°	1354.1	1349.6	1348.0	1346.9	1349.9
10°	1344.6	1340.1	1338.6	1337.8	1340.5
12.5°	1331.0	1326.9	1325.7	1324.6	1328.0
15°	1315.9	1311.7	1309.8	1308.7	1311.3
17.5°	1296.2	1292.8	1290.5	1290.5	1292.8
20°	1275.0	1270.9	1269.0	1267.8	1271.6
22.5°	1248.9	1246.3	1244.0	1242.1	1246.3
25°	1221.3	1217.5	1215.2	1214.5	1214.9
27.5°	1189.9	1187.2	1184.2	1183.1	1183.8
30°	1157.0	1153.6	1149.4	1147.1	1149.0
32.5°	1120.3	1115.4	1112.0	1109.7	1112.3
35°	1079.8	1074.9	1071.1	1067.7	1066.2
37.5°	1033.6	1032.1	1026.8	1020.8	1020.4
40°	987.1	982.9	975.4	972.7	970.8
42.5°	937.2	928.5	920.5	912.9	910.3
45°	875.9	869.4	859.6	850.5	847.5
47.5°	813.1	804.7	795.3	779.4	777.5
50°	747.6	735.5	718.9	705.6	699.9
52.5°	679.5	663.2	640.2	628.8	625.8
55°	603.1	586.8	562.2	553.9	551.6
57.5°	535.0	511.1	491.1	481.6	484.7
60°	465.0	441.9	424.1	415.0	415.8
62.5°	396.5	378.3	365.1	356.4	357.5
65°	336.0	320.5	310.6	301.5	302.7
67.5°	276.6	269.4	262.2	256.9	253.9
70°	230.4	227.4	220.6	215.7	214.1
72.5°	188.4	190.3	184.6	183.1	182.7
75°	152.9	154.4	155.5	152.5	150.2
77.5°	122.2	124.5	129.0	124.9	124.1
80°	91.9	96.5	101.4	98.7	95.7
82.5°	64.3	70.0	74.5	71.1	69.6
85°	39.0	43.5	46.5	45.4	44.3
87.5°	17.4	18.9	20.4	20.8	20.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)