

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: P738518

Luminaire Tested: **24PT-40-PR1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738518
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-L950
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

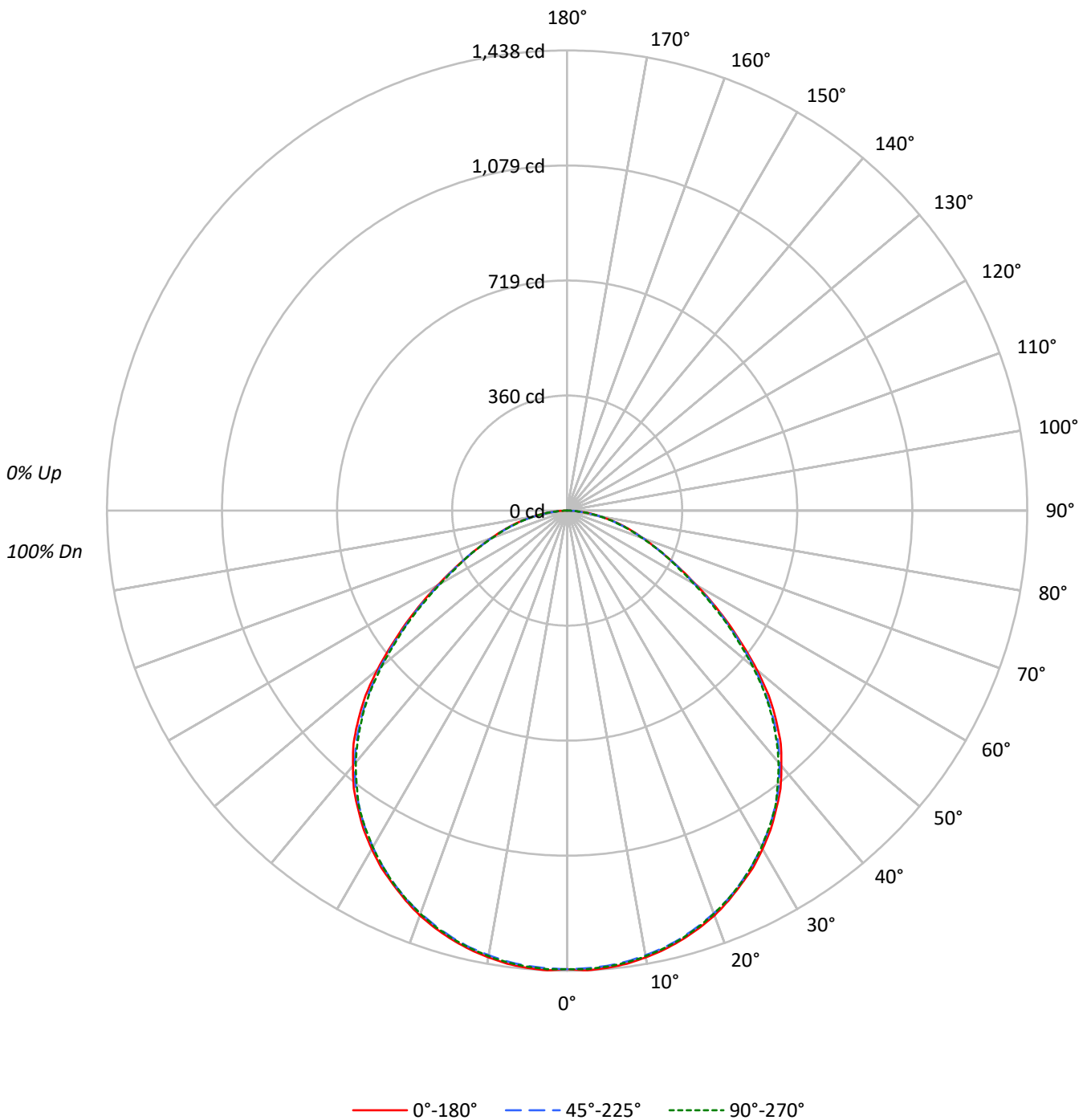
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3650.0 lumens
Efficiency: N/A
Efficacy: 111.6 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

TEST NUMBER: P738518
CATALOG NUMBER: 24PT-40-PR1-L950

Luminous Intensity Polar Plot





TEST NUMBER: P738518

CATALOG NUMBER: 24PT-40-PR1-L950

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°	2055	2055	2055
5°	2065	2056	2059
10°	2064	2054	2059
15°	2061	2052	2056
20°	2054	2044	2046
25°	2038	2031	2033
30°	2022	2010	2010
35°	1994	1982	1984
40°	1949	1932	1924
45°	1871	1841	1831
50°	1727	1702	1686
55°	1537	1515	1505
60°	1340	1325	1311
65°	1174	1176	1169
70°	1057	1054	1038
75°	984	955	957
80°	879	862	862
85°	678	698	671



TEST NUMBER: P738518

CATALOG NUMBER: 24PT-40-PR1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.9	3.7
10°-20°	390.4	10.7
20°-30°	591.9	16.2
30°-40°	707.9	19.4
40°-50°	698.9	19.1
50°-60°	544.0	14.9
60°-70°	345.4	9.5
70°-80°	185.3	5.1
80°-90°	50.2	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°	1118.2	30.6
0°-40°	1826.1	50.0
0°-60°	3069.1	84.1
0°-90°	3650.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3650.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1433	1433	1433	1433	1433	
5°	1434	1430	1428	1428	1431	136
15°	1388	1384	1382	1381	1385	392
25°	1288	1286	1284	1282	1285	594
35°	1139	1137	1132	1129	1134	712
45°	923	916	908	904	903	708
55°	615	612	606	602	602	551
65°	346	347	346	342	344	347
75°	178	175	172	172	173	188
85°	41	42	42	42	41	51
90°	0	0	0	0	0	



TEST NUMBER: P738518

CATALOG NUMBER: 24PT-40-PR1-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1433.2	1433.2	1433.2	1433.2	1433.2
2.5°	1438.0	1433.2	1431.6	1430.8	1434.4
5°	1434.4	1430.0	1428.4	1427.6	1430.8
7.5°	1428.4	1423.2	1421.6	1420.8	1424.4
10°	1417.6	1412.8	1410.8	1410.8	1414.0
12.5°	1404.8	1400.8	1398.8	1397.2	1400.8
15°	1388.4	1383.6	1382.4	1380.8	1384.8
17.5°	1368.8	1364.0	1362.4	1361.6	1364.4
20°	1346.4	1340.4	1339.6	1339.2	1340.8
22.5°	1318.8	1315.6	1314.0	1313.2	1314.4
25°	1288.0	1285.6	1284.0	1281.6	1284.8
27.5°	1258.0	1254.8	1250.8	1248.8	1250.8
30°	1221.1	1217.1	1214.3	1213.5	1214.3
32.5°	1183.1	1179.1	1175.5	1175.1	1174.7
35°	1139.1	1136.7	1132.3	1128.7	1133.5
37.5°	1095.5	1089.9	1085.9	1081.5	1080.3
40°	1041.1	1039.1	1032.3	1028.3	1027.9
42.5°	988.3	979.1	974.3	971.5	967.1
45°	922.7	916.3	907.9	903.5	903.1
47.5°	854.2	846.2	838.2	832.2	833.8
50°	774.2	770.6	763.0	757.8	755.8
52.5°	691.8	691.0	683.0	679.8	676.2
55°	615.0	611.8	606.2	602.2	602.2
57.5°	539.4	536.6	533.8	526.1	526.1
60°	467.3	466.9	462.1	457.7	457.3
62.5°	402.9	405.3	400.9	396.5	394.1
65°	346.1	347.3	346.5	342.1	344.5
67.5°	296.1	296.5	294.9	292.5	294.1
70°	252.1	254.1	251.3	249.7	247.7
72.5°	213.7	212.9	210.5	211.7	208.9
75°	177.6	174.8	172.4	172.0	172.8
77.5°	141.6	140.8	138.8	138.8	137.6
80°	106.4	105.6	104.4	104.8	104.4
82.5°	75.6	73.6	72.0	72.8	73.2
85°	41.2	42.0	42.4	42.4	40.8
87.5°	16.8	16.4	16.8	17.6	18.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)