

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: P738502

Luminaire Tested: **24PT-40-PC3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738502
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-L950
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

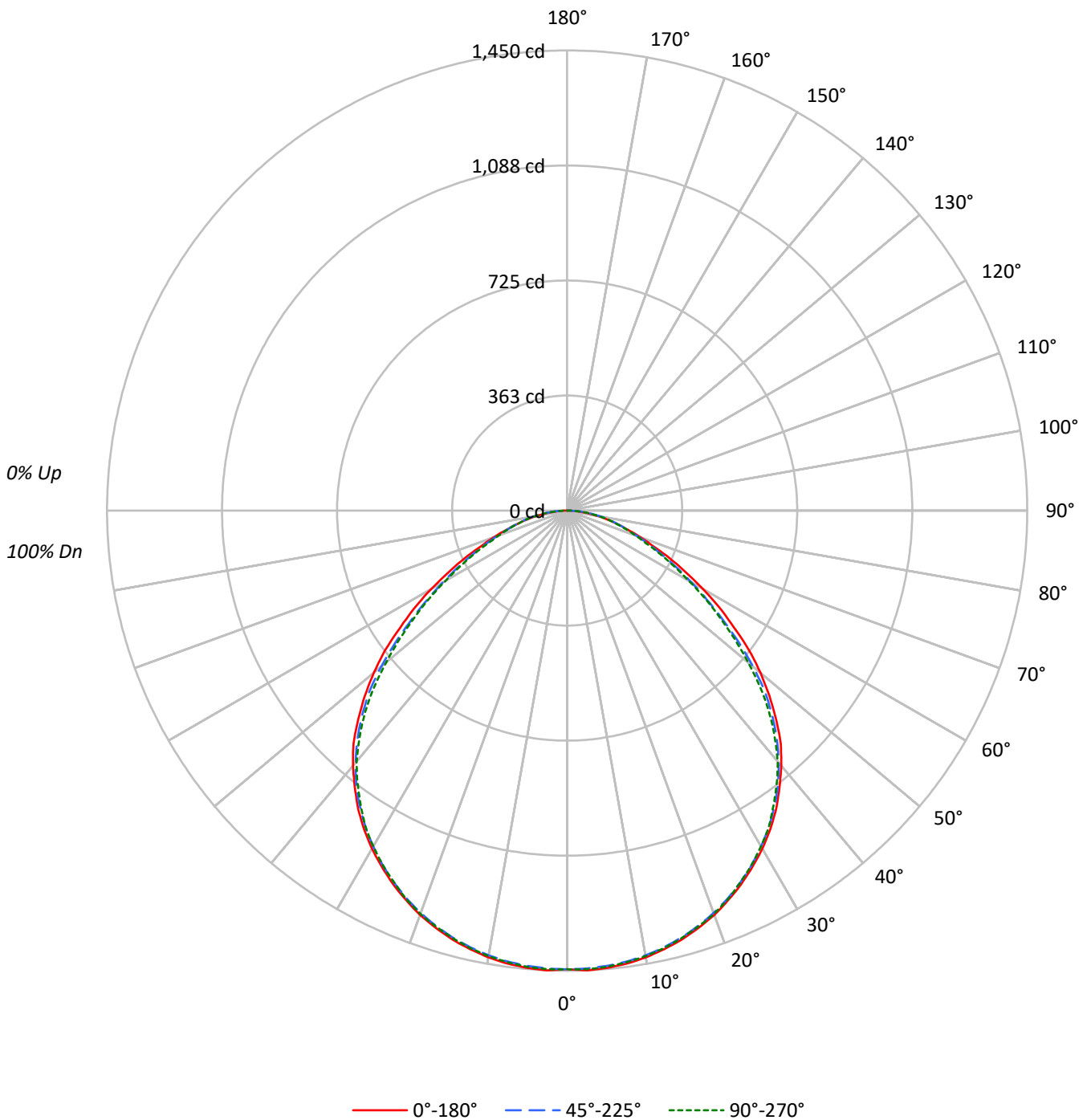
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3646.0 lumens
Efficiency: N/A
Efficacy: 111.5 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°	2073	2073	2073
5°	2082	2073	2077
10°	2082	2072	2075
15°	2077	2067	2070
20°	2069	2059	2063
25°	2055	2044	2044
30°	2037	2024	2023
35°	2010	1994	1984
40°	1965	1941	1932
45°	1888	1853	1827
50°	1773	1705	1660
55°	1603	1494	1466
60°	1418	1293	1268
65°	1212	1121	1092
70°	1027	983	955
75°	900	916	885
80°	808	890	841
85°	681	814	775



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.1	3.8
10°-20°	393.4	10.8
20°-30°	595.9	16.3
30°-40°	711.8	19.5
40°-50°	702.1	19.3
50°-60°	543.5	14.9
60°-70°	334.1	9.2
70°-80°	175.1	4.8
80°-90°	53.1	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°	1126.3	30.9
0°-40°	1838.1	50.4
0°-60°	3083.8	84.6
0°-90°	3646.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3646.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1445	1445	1445	1445	1445	
5°	1446	1442	1440	1439	1443	138
15°	1399	1395	1393	1392	1394	395
25°	1299	1295	1292	1291	1292	598
35°	1148	1143	1139	1135	1134	717
45°	931	924	914	904	901	716
55°	641	624	598	589	586	575
65°	357	341	330	321	322	356
75°	162	164	165	162	160	175
85°	41	46	50	48	47	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1445.4	1445.4	1445.4	1445.4	1445.4
2.5°	1450.3	1445.8	1443.8	1443.4	1446.6
5°	1446.2	1441.8	1440.2	1439.4	1443.0
7.5°	1439.8	1435.0	1433.4	1432.1	1435.4
10°	1429.7	1424.9	1423.3	1422.5	1425.3
12.5°	1415.3	1410.8	1409.6	1408.4	1412.0
15°	1399.2	1394.7	1392.7	1391.5	1394.3
17.5°	1378.2	1374.6	1372.2	1372.2	1374.6
20°	1355.7	1351.3	1349.3	1348.1	1352.1
22.5°	1328.0	1325.1	1322.7	1320.7	1325.1
25°	1298.6	1294.6	1292.2	1291.3	1291.8
27.5°	1265.2	1262.4	1259.2	1258.0	1258.8
30°	1230.2	1226.6	1222.2	1219.7	1221.8
32.5°	1191.2	1185.9	1182.3	1179.9	1182.7
35°	1148.1	1142.9	1138.9	1135.3	1133.7
37.5°	1099.1	1097.4	1091.8	1085.4	1085.0
40°	1049.6	1045.1	1037.1	1034.3	1032.3
42.5°	996.5	987.2	978.8	970.7	967.9
45°	931.3	924.5	914.0	904.3	901.1
47.5°	864.5	855.7	845.6	828.7	826.7
50°	794.9	782.0	764.3	750.3	744.2
52.5°	722.5	705.2	680.7	668.6	665.4
55°	641.2	624.0	597.8	589.0	586.5
57.5°	568.8	543.5	522.2	512.1	515.3
60°	494.4	469.9	451.0	441.3	442.1
62.5°	421.6	402.3	388.2	379.0	380.2
65°	357.2	340.7	330.3	320.6	321.8
67.5°	294.1	286.4	278.8	273.2	269.9
70°	245.0	241.8	234.5	229.3	227.7
72.5°	200.3	202.4	196.3	194.7	194.3
75°	162.5	164.1	165.3	162.1	159.7
77.5°	129.9	132.4	137.2	132.8	132.0
80°	97.8	102.6	107.8	105.0	101.8
82.5°	68.4	74.4	79.3	75.6	74.0
85°	41.4	46.3	49.5	48.3	47.1
87.5°	18.5	20.1	21.7	22.1	21.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)