

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: P738510

Luminaire Tested: **24PT-40-PL1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738510
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-L950
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

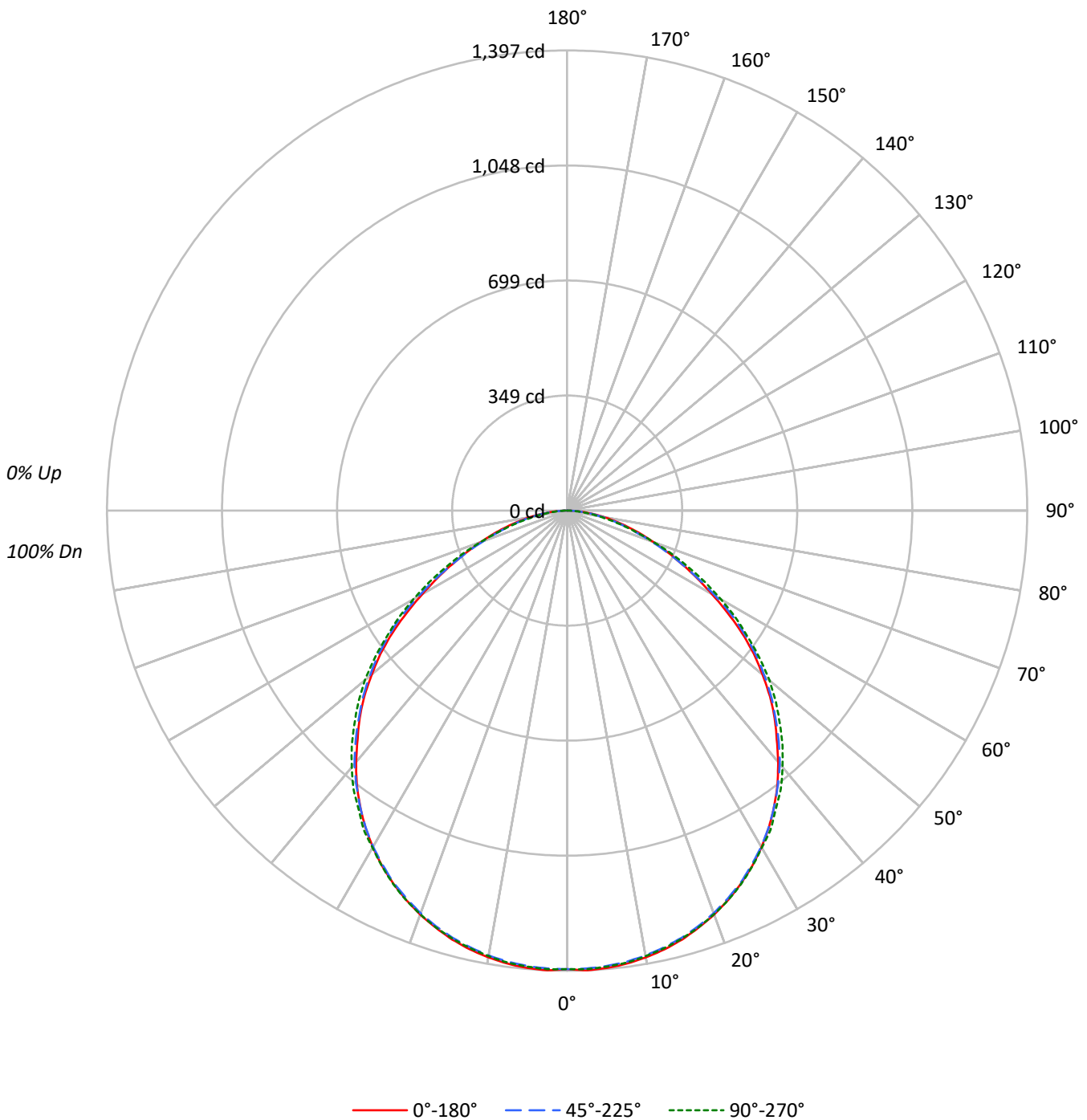
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3685.0 lumens
Efficiency: N/A
Efficacy: 112.7 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°	1996	1996	1996
5°	2006	1998	2000
10°	2005	1997	2000
15°	2001	1993	1997
20°	1991	1985	1990
25°	1977	1972	1978
30°	1953	1951	1957
35°	1918	1919	1933
40°	1865	1879	1905
45°	1807	1815	1851
50°	1726	1746	1788
55°	1621	1651	1676
60°	1455	1491	1546
65°	1302	1305	1375
70°	1161	1129	1169
75°	1049	987	969
80°	931	869	766
85°	763	724	599



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.1	3.6
10°-20°	379.2	10.3
20°-30°	574.5	15.6
30°-40°	686.5	18.6
40°-50°	692.5	18.8
50°-60°	587.6	15.9
60°-70°	388.7	10.5
70°-80°	192.9	5.2
80°-90°	51.0	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°	1085.7	29.5
0°-40°	1772.2	48.1
0°-60°	3052.3	82.8
0°-90°	3685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3685.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1392	1392	1392	1392	1392	
5°	1394	1389	1388	1387	1390	133
15°	1348	1344	1343	1343	1345	380
25°	1249	1246	1246	1246	1250	575
35°	1096	1094	1096	1102	1104	685
45°	891	890	895	907	913	686
55°	648	650	660	666	670	576
65°	384	383	385	397	405	383
75°	189	184	178	172	175	203
85°	46	46	44	40	36	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1392.2	1392.2	1392.2	1392.2	1392.2
2.5°	1397.0	1392.6	1391.4	1390.6	1393.8
5°	1393.8	1389.0	1387.8	1387.0	1389.8
7.5°	1387.4	1382.2	1381.4	1380.6	1384.2
10°	1377.0	1372.2	1371.4	1370.6	1373.8
12.5°	1364.6	1359.8	1358.2	1358.6	1360.6
15°	1348.2	1343.8	1342.6	1342.6	1345.4
17.5°	1327.8	1323.7	1322.9	1322.5	1326.2
20°	1304.9	1300.9	1300.9	1302.1	1304.1
22.5°	1278.9	1276.1	1274.5	1275.3	1279.3
25°	1249.3	1246.5	1246.5	1246.1	1250.5
27.5°	1216.5	1212.9	1212.9	1216.1	1217.7
30°	1179.7	1176.5	1178.1	1180.5	1182.1
32.5°	1140.1	1138.1	1139.3	1142.9	1149.3
35°	1095.7	1094.1	1096.1	1102.1	1104.5
37.5°	1049.2	1048.0	1050.8	1058.8	1065.6
40°	996.4	996.4	1004.0	1011.2	1017.6
42.5°	941.6	945.2	950.8	962.0	967.6
45°	891.2	890.0	895.2	907.2	912.8
47.5°	835.1	833.9	841.5	850.0	859.2
50°	773.9	773.5	782.7	789.9	801.5
52.5°	714.3	717.9	723.9	730.3	737.1
55°	648.3	649.9	660.3	666.3	670.3
57.5°	577.0	582.2	595.0	603.9	607.5
60°	507.4	510.6	519.8	535.4	539.0
62.5°	444.2	445.4	451.0	468.6	473.4
65°	383.8	383.0	384.6	396.6	405.4
67.5°	328.9	325.7	325.7	332.1	342.9
70°	276.9	272.1	269.3	271.3	278.9
72.5°	233.3	226.9	219.7	218.5	223.3
75°	189.3	184.1	178.1	172.5	174.9
77.5°	150.9	146.5	140.9	134.5	131.3
80°	112.8	111.2	105.2	99.2	92.8
82.5°	78.8	77.6	73.6	68.8	64.8
85°	46.4	46.4	44.0	40.4	36.4
87.5°	20.8	20.0	20.8	17.6	16.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)