

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: P737817

Luminaire Tested: **14PT-40-PL1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737817
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PL1-L840
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

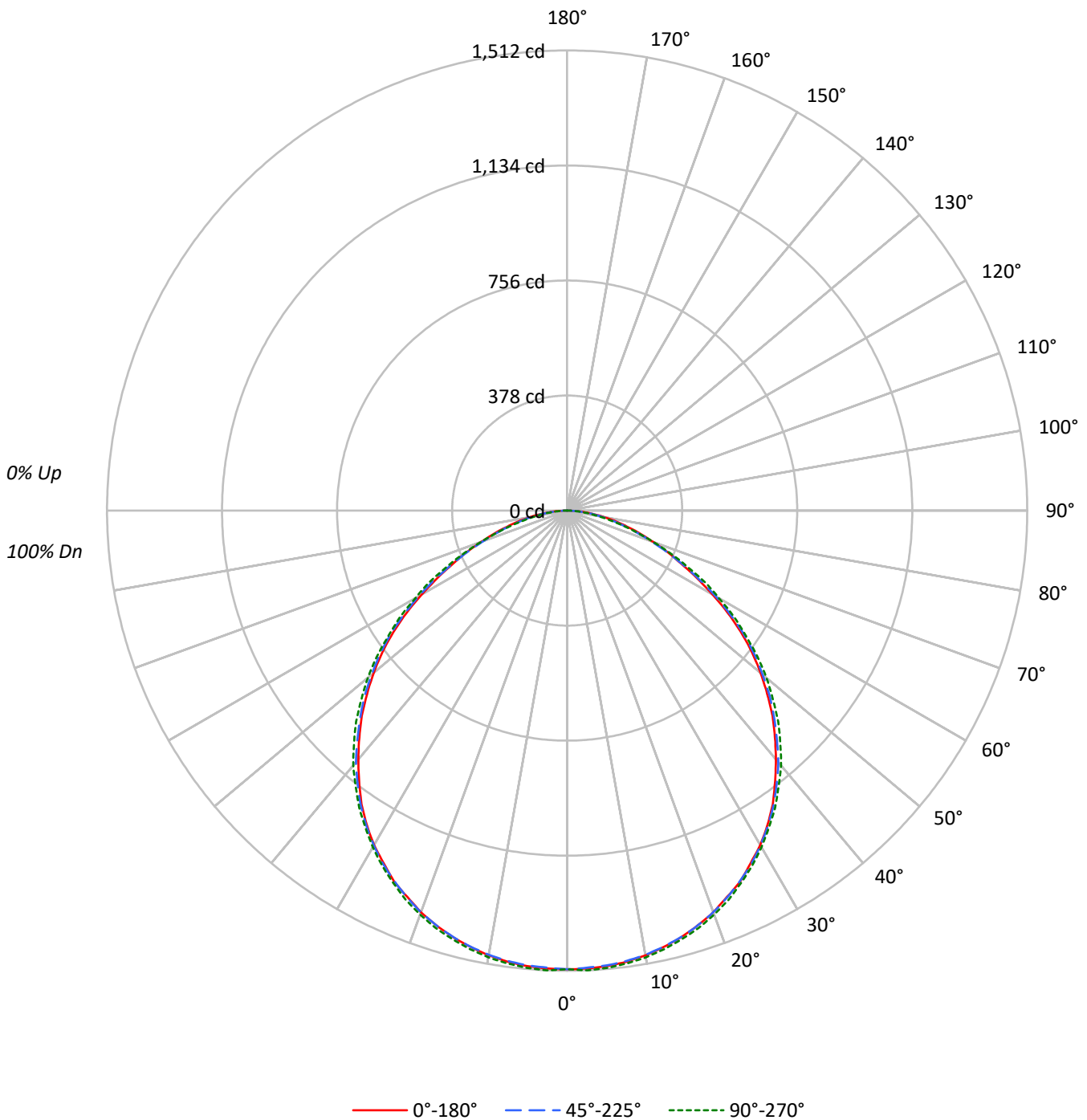
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3973.0 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
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		94	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	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	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4519	4519	4519
5°	4522	4514	4539
10°	4517	4512	4537
15°	4503	4501	4524
20°	4481	4481	4506
25°	4450	4445	4468
30°	4394	4400	4421
35°	4310	4327	4362
40°	4176	4224	4279
45°	4046	4080	4158
50°	3868	3910	3987
55°	3643	3701	3745
60°	3305	3375	3459
65°	2936	2967	3086
70°	2624	2570	2633
75°	2368	2232	2186
80°	2150	1996	1773
85°	1823	1651	1421



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.0	3.6
10°-20°	410.1	10.3
20°-30°	620.3	15.6
30°-40°	739.3	18.6
40°-50°	743.4	18.7
50°-60°	630.9	15.9
60°-70°	420.1	10.6
70°-80°	209.8	5.3
80°-90°	56.1	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°	1173.3	29.5
0°-40°	1912.6	48.1
0°-60°	3287.0	82.7
0°-90°	3973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3973.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1507	1507	1507	1507	1507	
5°	1503	1503	1500	1507	1508	143
15°	1451	1452	1450	1456	1458	409
25°	1345	1345	1344	1350	1351	619
35°	1178	1179	1182	1190	1192	735
45°	954	956	962	975	981	734
55°	697	702	708	715	716	621
65°	414	417	418	424	435	415
75°	204	202	193	188	189	219
85°	53	52	48	45	41	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1507.2	1507.2	1507.2	1507.2	1507.2
2.5°	1506.1	1507.2	1503.3	1510.5	1512.2
5°	1502.7	1503.3	1499.9	1506.6	1508.3
7.5°	1495.4	1496.0	1492.7	1499.9	1501.0
10°	1483.7	1484.8	1482.0	1488.7	1490.4
12.5°	1468.6	1470.3	1467.5	1474.8	1475.9
15°	1450.8	1452.4	1450.2	1456.4	1457.5
17.5°	1429.0	1430.1	1429.0	1434.6	1437.9
20°	1404.4	1404.4	1404.4	1409.4	1412.2
22.5°	1373.7	1376.5	1375.4	1382.1	1384.9
25°	1345.2	1345.2	1343.6	1349.7	1350.8
27.5°	1305.6	1310.0	1309.5	1315.1	1316.2
30°	1269.3	1270.4	1271.0	1274.9	1277.1
32.5°	1225.2	1226.3	1228.0	1233.5	1234.1
35°	1177.7	1178.8	1182.2	1190.5	1191.7
37.5°	1122.4	1128.6	1131.4	1140.3	1141.4
40°	1067.1	1071.0	1079.4	1088.9	1093.4
42.5°	1010.7	1015.2	1020.2	1033.1	1037.0
45°	954.3	956.0	962.2	975.0	980.6
47.5°	891.8	896.8	902.4	913.6	916.9
50°	829.3	834.8	838.2	848.2	854.9
52.5°	766.1	771.2	775.1	781.2	787.9
55°	696.9	701.9	708.1	714.8	716.5
57.5°	626.5	632.1	636.0	643.3	650.6
60°	551.2	557.3	562.9	569.6	576.8
62.5°	480.8	483.6	489.2	500.3	511.0
65°	413.8	417.1	418.3	424.4	435.0
67.5°	357.9	357.9	352.9	355.2	366.9
70°	299.3	297.1	293.2	290.9	300.4
72.5°	251.8	249.1	240.7	236.8	241.8
75°	204.4	201.6	192.7	188.2	188.7
77.5°	164.2	159.7	152.4	144.6	143.0
80°	124.5	122.9	115.6	108.3	102.7
82.5°	88.2	84.3	80.4	75.9	71.5
85°	53.0	51.9	48.0	45.2	41.3
87.5°	21.8	21.8	20.7	19.5	18.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)