

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: P737818

Luminaire Tested: **14PT-40-PL1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737818
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-L850
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

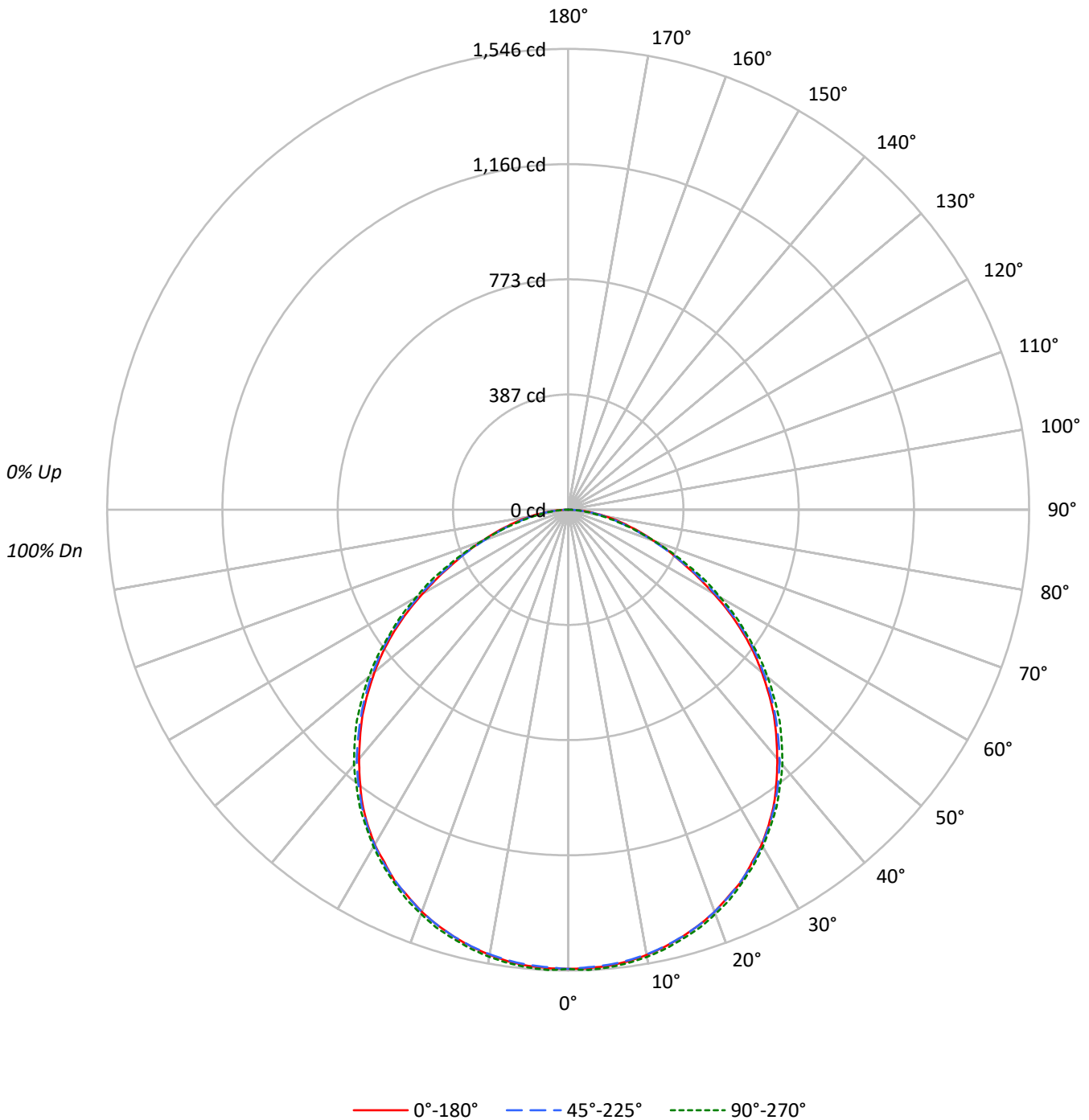
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4061.0 lumens
Efficiency: N/A
Efficacy: 126.5 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°	4619	4619	4619
5°	4623	4614	4640
10°	4617	4612	4638
15°	4603	4601	4624
20°	4580	4580	4605
25°	4549	4543	4567
30°	4491	4497	4519
35°	4406	4423	4458
40°	4269	4318	4374
45°	4136	4170	4250
50°	3953	3996	4076
55°	3723	3783	3828
60°	3378	3450	3535
65°	3001	3033	3154
70°	2681	2627	2692
75°	2420	2281	2234
80°	2198	2041	1813
85°	1864	1689	1452



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.1	3.6
10°-20°	419.1	10.3
20°-30°	634.0	15.6
30°-40°	755.7	18.6
40°-50°	759.9	18.7
50°-60°	644.9	15.9
60°-70°	429.4	10.6
70°-80°	214.4	5.3
80°-90°	57.4	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°	1199.3	29.5
0°-40°	1955.0	48.1
0°-60°	3359.8	82.7
0°-90°	4061.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4061.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1541	1541	1541	1541	1541	
5°	1536	1537	1533	1540	1542	146
15°	1483	1485	1482	1489	1490	418
25°	1375	1375	1373	1380	1381	632
35°	1204	1205	1208	1217	1218	751
45°	976	977	984	997	1002	750
55°	712	718	724	731	732	635
65°	423	426	428	434	445	424
75°	209	206	197	192	193	224
85°	54	53	49	46	42	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1540.6	1540.6	1540.6	1540.6	1540.6
2.5°	1539.4	1540.6	1536.6	1544.0	1545.7
5°	1536.0	1536.6	1533.1	1540.0	1541.7
7.5°	1528.6	1529.1	1525.7	1533.1	1534.3
10°	1516.6	1517.7	1514.9	1521.7	1523.4
12.5°	1501.2	1502.9	1500.0	1507.4	1508.6
15°	1482.9	1484.6	1482.3	1488.6	1489.8
17.5°	1460.6	1461.8	1460.6	1466.4	1469.8
20°	1435.5	1435.5	1435.5	1440.7	1443.5
22.5°	1404.1	1407.0	1405.8	1412.7	1415.6
25°	1375.0	1375.0	1373.3	1379.6	1380.7
27.5°	1334.5	1339.1	1338.5	1344.2	1345.3
30°	1297.4	1298.5	1299.1	1303.1	1305.4
32.5°	1252.3	1253.4	1255.2	1260.9	1261.4
35°	1203.8	1204.9	1208.4	1216.9	1218.1
37.5°	1147.3	1153.6	1156.4	1165.5	1166.7
40°	1090.8	1094.8	1103.3	1113.0	1117.6
42.5°	1033.1	1037.7	1042.8	1056.0	1060.0
45°	975.5	977.2	983.5	996.6	1002.3
47.5°	911.5	916.7	922.4	933.8	937.2
50°	847.6	853.3	856.8	867.0	873.9
52.5°	783.1	788.3	792.3	798.5	805.4
55°	712.3	717.5	723.8	730.6	732.3
57.5°	640.4	646.1	650.1	657.5	665.0
60°	563.4	569.6	575.4	582.2	589.6
62.5°	491.4	494.3	500.0	511.4	522.3
65°	423.0	426.4	427.5	433.8	444.6
67.5°	365.9	365.9	360.7	363.0	375.0
70°	305.9	303.7	299.7	297.4	307.1
72.5°	257.4	254.6	246.0	242.0	247.2
75°	208.9	206.1	196.9	192.4	192.9
77.5°	167.8	163.2	155.8	147.8	146.1
80°	127.3	125.6	118.2	110.7	105.0
82.5°	90.2	86.2	82.2	77.6	73.1
85°	54.2	53.1	49.1	46.2	42.2
87.5°	22.3	22.3	21.1	20.0	18.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)