

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: P737841

Luminaire Tested: **14PT-40-PW1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PW1-L840
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

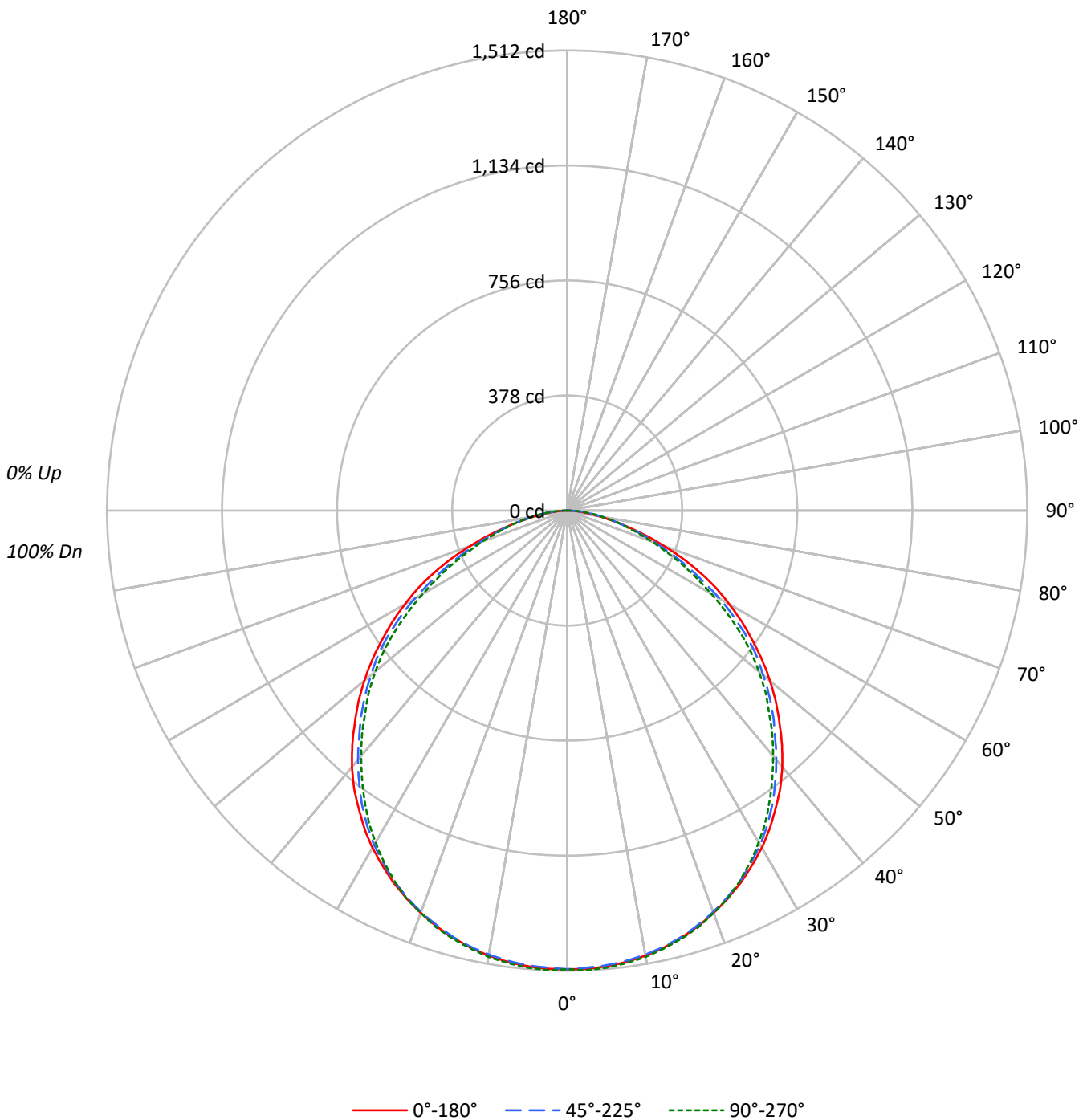
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4519	4519	4519
5°	4523	4513	4536
10°	4521	4510	4533
15°	4507	4500	4517
20°	4488	4478	4488
25°	4463	4445	4441
30°	4429	4391	4360
35°	4370	4305	4250
40°	4304	4186	4120
45°	4184	4061	3978
50°	4058	3925	3834
55°	3888	3757	3608
60°	3687	3469	3288
65°	3411	3098	2943
70°	2957	2697	2595
75°	2361	2310	2245
80°	1794	2006	2006
85°	1324	1710	1710



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.9	3.6
10°-20°	410.0	10.2
20°-30°	619.6	15.5
30°-40°	735.8	18.4
40°-50°	741.3	18.5
50°-60°	640.7	16.0
60°-70°	437.9	10.9
70°-80°	216.0	5.4
80°-90°	55.8	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°	1172.6	29.3
0°-40°	1908.3	47.7
0°-60°	3290.3	82.3
0°-90°	4000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4000.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1507	1507	1507	1507	1507	
5°	1503	1503	1500	1506	1507	143
15°	1452	1454	1450	1455	1455	410
25°	1349	1348	1344	1345	1343	622
35°	1194	1190	1176	1166	1161	747
45°	987	976	958	947	938	762
55°	744	742	719	698	690	665
65°	481	464	437	418	415	475
75°	204	202	199	199	194	222
85°	38	45	50	51	50	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1507.3	1507.3	1507.3	1507.3	1507.3
2.5°	1506.8	1507.3	1503.4	1510.1	1511.8
5°	1502.9	1503.4	1499.5	1505.7	1507.3
7.5°	1495.6	1496.7	1492.2	1498.4	1499.5
10°	1485.0	1485.5	1481.6	1487.8	1488.9
12.5°	1470.5	1471.0	1467.7	1473.3	1473.3
15°	1452.0	1453.7	1449.8	1454.8	1455.4
17.5°	1431.4	1431.9	1428.0	1433.6	1434.7
20°	1406.8	1406.8	1403.5	1407.9	1406.8
22.5°	1379.4	1379.4	1375.5	1377.8	1378.9
25°	1349.3	1348.2	1343.7	1344.8	1342.6
27.5°	1314.7	1314.7	1306.8	1306.8	1302.9
30°	1279.5	1276.7	1268.3	1263.3	1259.4
32.5°	1239.3	1235.3	1224.7	1215.8	1213.0
35°	1194.0	1190.1	1176.2	1165.5	1161.1
37.5°	1150.5	1141.5	1123.1	1112.5	1107.5
40°	1099.6	1088.5	1069.5	1055.0	1052.7
42.5°	1044.9	1036.0	1011.4	1000.8	998.0
45°	986.8	976.2	957.8	946.6	938.2
47.5°	929.9	922.0	900.8	887.4	884.6
50°	870.1	863.4	841.6	827.1	822.1
52.5°	808.1	803.6	785.2	766.8	760.6
55°	743.9	741.7	718.8	697.5	690.3
57.5°	680.8	678.0	649.5	624.9	618.2
60°	614.9	606.5	578.6	555.7	548.4
62.5°	552.3	534.5	504.3	486.4	478.1
65°	480.8	463.5	436.7	417.7	414.9
67.5°	410.5	389.8	369.2	357.4	348.5
70°	337.3	323.4	307.7	297.7	296.0
72.5°	269.2	259.1	251.3	245.2	240.1
75°	203.8	202.2	199.4	199.4	193.8
77.5°	149.7	153.6	155.8	155.3	156.4
80°	103.9	111.7	116.2	116.7	116.2
82.5°	65.9	74.8	82.1	83.2	84.3
85°	38.5	45.2	49.7	50.8	49.7
87.5°	17.3	21.8	22.9	24.0	22.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)