

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: P737810

Luminaire Tested: **14PT-40-PC3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PC3-L850
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

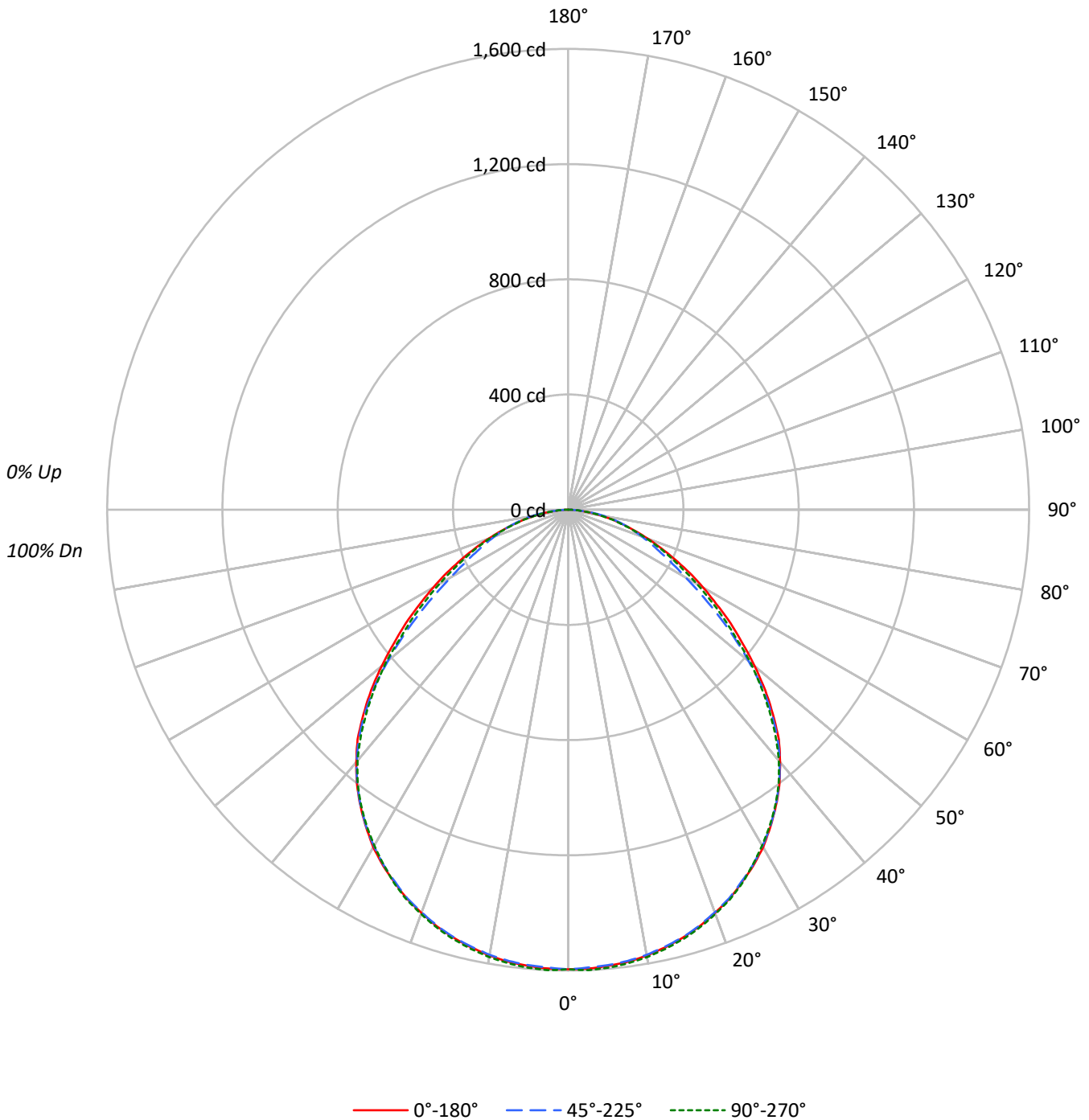
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4023.0 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	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°	4784	4784	4784
5°	4785	4777	4804
10°	4785	4777	4802
15°	4774	4769	4790
20°	4753	4746	4765
25°	4720	4713	4731
30°	4685	4669	4661
35°	4600	4595	4587
40°	4478	4472	4452
45°	4259	4228	4184
50°	3943	3809	3852
55°	3598	3306	3455
60°	3245	2820	3094
65°	2899	2523	2782
70°	2572	2386	2502
75°	2274	2314	2228
80°	1961	2206	1951
85°	1472	1747	1472



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.4	3.8
10°-20°	434.4	10.8
20°-30°	657.7	16.3
30°-40°	784.2	19.5
40°-50°	766.2	19.0
50°-60°	585.9	14.6
60°-70°	376.2	9.4
70°-80°	209.3	5.2
80°-90°	57.8	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°	1243.5	30.9
0°-40°	2027.7	50.4
0°-60°	3379.8	84.0
0°-90°	4023.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4023.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1596	1596	1596	1596	1596	
5°	1590	1591	1587	1595	1596	151
15°	1538	1539	1536	1542	1543	434
25°	1427	1429	1425	1429	1430	658
35°	1257	1258	1256	1255	1253	785
45°	1004	1007	997	995	987	773
55°	688	664	632	640	661	615
65°	409	377	356	368	392	408
75°	196	198	200	197	192	210
85°	43	50	51	49	43	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1595.8	1595.8	1595.8	1595.8	1595.8
2.5°	1594.7	1595.2	1591.2	1598.1	1600.4
5°	1590.1	1591.2	1587.2	1594.7	1596.4
7.5°	1583.3	1584.4	1580.4	1587.8	1588.4
10°	1571.8	1572.4	1569.0	1576.4	1577.5
12.5°	1556.4	1558.1	1554.1	1561.0	1561.6
15°	1538.2	1539.3	1536.5	1541.6	1543.3
17.5°	1516.5	1517.0	1514.2	1519.9	1520.5
20°	1489.7	1489.7	1487.4	1493.6	1493.6
22.5°	1462.3	1460.5	1460.0	1462.3	1465.7
25°	1426.9	1428.6	1424.6	1429.2	1430.3
27.5°	1392.6	1392.6	1389.2	1391.5	1388.6
30°	1353.2	1351.0	1348.7	1349.2	1346.4
32.5°	1305.9	1305.9	1304.7	1304.7	1301.3
35°	1256.8	1257.9	1255.6	1255.1	1253.4
37.5°	1204.3	1206.0	1202.0	1200.9	1199.7
40°	1144.3	1144.3	1142.6	1140.4	1137.5
42.5°	1082.1	1082.1	1074.7	1069.0	1065.0
45°	1004.5	1006.8	997.1	994.8	986.8
47.5°	927.5	925.8	912.6	910.9	906.3
50°	845.3	835.6	816.7	821.9	825.9
52.5°	763.1	751.1	723.7	729.4	736.3
55°	688.3	664.3	632.4	640.4	660.9
57.5°	610.1	578.2	546.2	561.0	586.7
60°	541.1	505.1	470.3	486.3	516.0
62.5°	474.9	436.6	408.7	424.1	449.2
65°	408.7	377.3	355.6	367.6	392.1
67.5°	348.2	327.0	312.2	317.9	337.9
70°	293.4	280.2	272.2	274.0	285.4
72.5°	241.4	238.0	235.1	235.1	236.3
75°	196.3	198.0	199.8	196.9	192.3
77.5°	154.7	160.4	164.4	158.7	153.0
80°	113.6	122.7	127.8	121.6	113.0
82.5°	77.6	87.9	89.6	85.6	75.9
85°	42.8	50.2	50.8	49.1	42.8
87.5°	16.0	18.8	20.5	18.8	16.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)