

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: P737803

Luminaire Tested: **14PT-40-PB1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PB1-L930
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

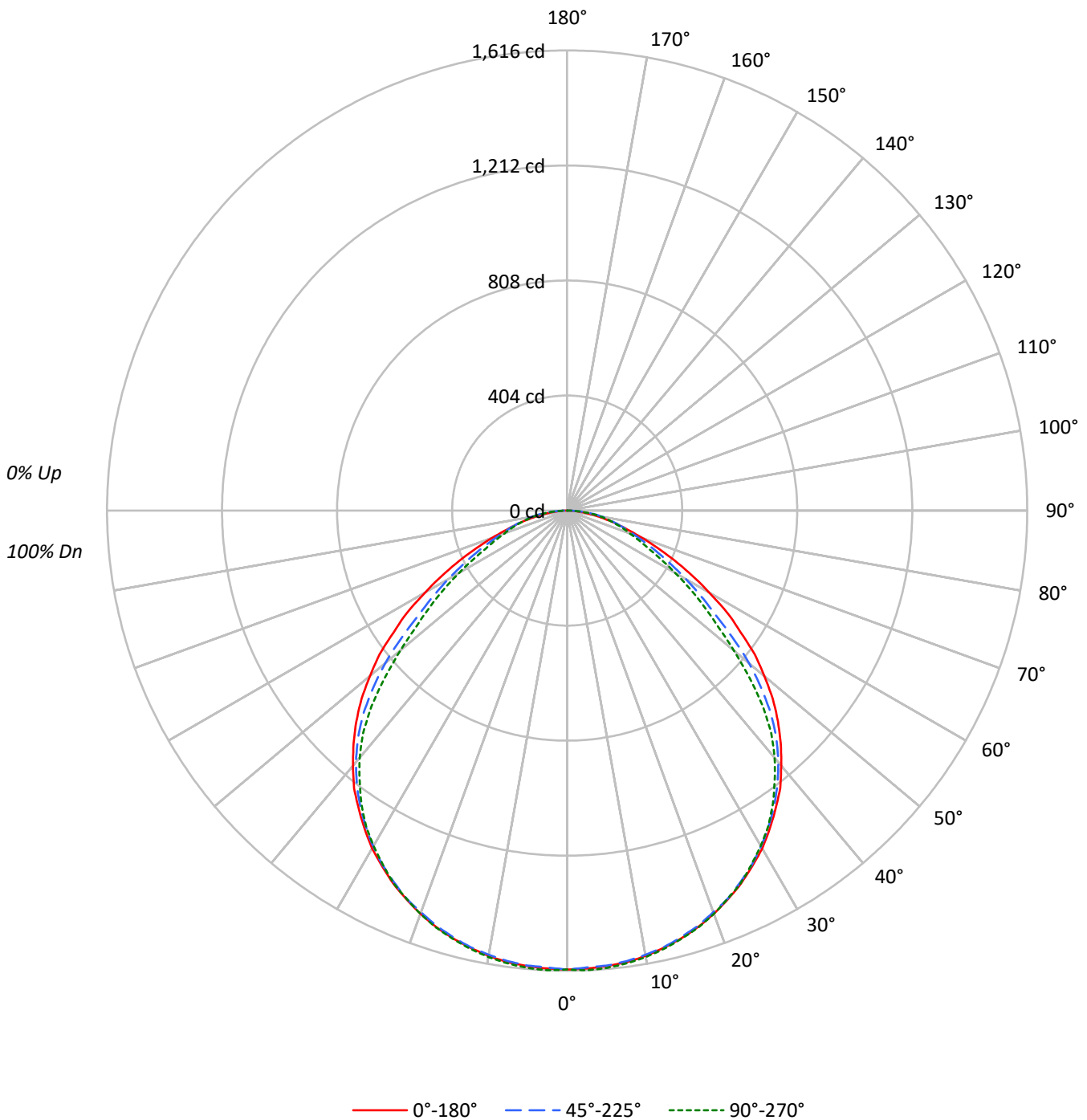
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4019.0 lumens
Efficiency: N/A
Efficacy: 98.3 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): 40.9
Input Voltage (V): NR
Input Current (Ain): 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	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4832	4832	4832
5°	4833	4827	4851
10°	4834	4822	4847
15°	4824	4812	4830
20°	4807	4788	4807
25°	4781	4761	4774
30°	4742	4715	4708
35°	4673	4636	4608
40°	4578	4516	4438
45°	4438	4295	4119
50°	4216	3893	3560
55°	3886	3306	3067
60°	3459	2888	2627
65°	2967	2503	2236
70°	2450	2207	2050
75°	2067	2113	1998
80°	1746	2156	2055
85°	1366	2181	1909



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.8	3.8
10°-20°	438.5	10.9
20°-30°	664.3	16.5
30°-40°	791.5	19.7
40°-50°	774.0	19.3
50°-60°	585.4	14.6
60°-70°	359.7	8.9
70°-80°	191.6	4.8
80°-90°	61.1	1.5
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°	1255.6	31.2
0°-40°	2047.1	50.9
0°-60°	3406.6	84.8
0°-90°	4019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1612	1612	1612	1612	1612	
5°	1606	1608	1604	1610	1612	153
15°	1554	1556	1550	1556	1556	439
25°	1445	1443	1439	1441	1443	666
35°	1277	1275	1267	1261	1259	799
45°	1047	1041	1013	979	971	805
55°	743	706	632	597	587	666
65°	418	385	353	325	315	416
75°	178	180	182	176	172	191
85°	40	52	63	60	56	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1611.8	1611.8	1611.8	1611.8	1611.8
2.5°	1609.8	1611.8	1605.8	1613.8	1615.7
5°	1605.8	1607.8	1603.8	1609.8	1611.8
7.5°	1599.9	1599.9	1595.9	1601.9	1603.8
10°	1588.0	1588.0	1584.0	1590.0	1592.0
12.5°	1572.1	1572.1	1570.1	1574.1	1576.1
15°	1554.3	1556.3	1550.3	1556.3	1556.3
17.5°	1532.5	1530.5	1528.5	1532.5	1534.5
20°	1506.7	1506.7	1500.8	1504.7	1506.7
22.5°	1477.0	1477.0	1475.0	1477.0	1475.0
25°	1445.2	1443.3	1439.3	1441.3	1443.3
27.5°	1407.6	1407.6	1403.6	1403.6	1401.6
30°	1369.9	1367.9	1362.0	1358.0	1360.0
32.5°	1324.3	1322.3	1316.4	1312.4	1314.4
35°	1276.7	1274.8	1266.8	1260.9	1258.9
37.5°	1229.2	1223.2	1213.3	1205.4	1197.4
40°	1169.7	1163.7	1153.8	1136.0	1134.0
42.5°	1110.2	1104.3	1088.4	1066.6	1060.6
45°	1046.8	1040.8	1013.1	979.4	971.4
47.5°	979.4	969.4	925.8	884.2	868.3
50°	904.0	886.2	834.6	781.1	763.3
52.5°	830.7	798.9	731.5	684.0	666.1
55°	743.4	705.8	632.4	596.7	586.8
57.5°	666.1	614.6	555.1	519.4	511.5
60°	576.9	529.3	481.7	450.0	438.1
62.5°	495.6	454.0	414.3	386.6	372.7
65°	418.3	384.6	352.9	325.1	315.2
67.5°	343.0	325.1	299.4	277.6	271.6
70°	279.5	269.6	251.8	241.9	233.9
72.5°	222.0	226.0	214.1	210.1	204.2
75°	178.4	180.4	182.4	176.4	172.5
77.5°	134.8	144.7	152.7	148.7	144.7
80°	101.1	111.0	124.9	119.0	119.0
82.5°	69.4	81.3	93.2	89.2	87.2
85°	39.7	51.5	63.4	59.5	55.5
87.5°	15.9	25.8	27.8	27.8	25.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)