

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: P737826

Luminaire Tested: **14PT-40-PP3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737826
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PP3-L850
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

Summary

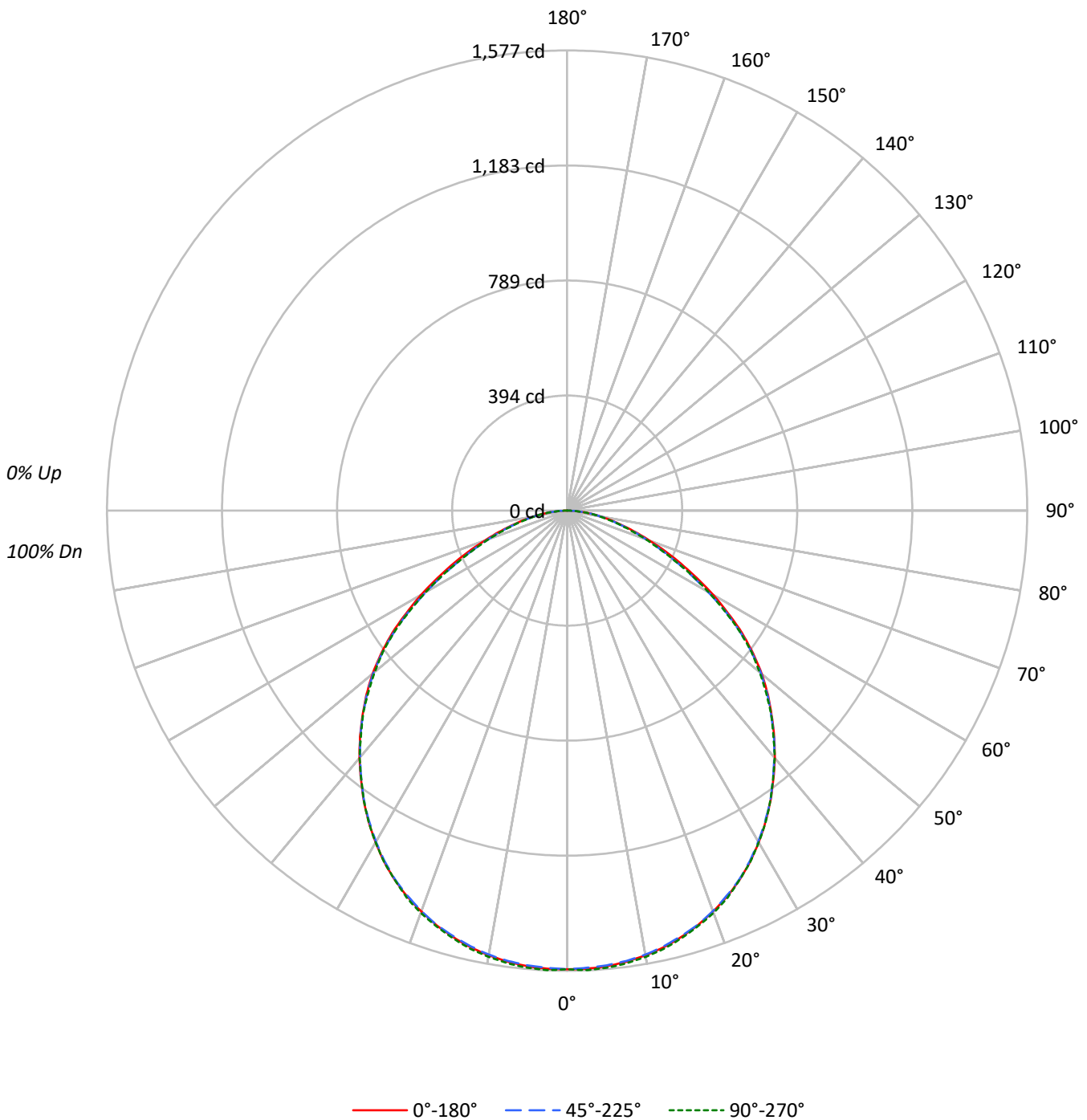
Lumens per Lamp: N/A
Luminaire Lumens: 4062.0 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P737826

CATALOG NUMBER: 14PT-40-PP3-L850

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	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4713	4713	4713
5°	4717	4707	4733
10°	4711	4704	4727
15°	4695	4686	4708
20°	4664	4661	4681
25°	4623	4615	4621
30°	4545	4536	4545
35°	4446	4440	4444
40°	4332	4319	4330
45°	4203	4190	4195
50°	4062	4043	4014
55°	3824	3779	3767
60°	3469	3353	3360
65°	3048	2894	2890
70°	2636	2516	2486
75°	2281	2194	2149
80°	2020	1991	1901
85°	1668	1727	1631



TEST NUMBER: P737826

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.1	3.7
10°-20°	427.1	10.5
20°-30°	643.1	15.8
30°-40°	759.0	18.7
40°-50°	763.3	18.8
50°-60°	644.4	15.9
60°-70°	413.9	10.2
70°-80°	205.8	5.1
80°-90°	56.4	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°	1219.3	30.0
0°-40°	1978.2	48.7
0°-60°	3385.9	83.4
0°-90°	4062.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4062.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1572	1572	1572	1572	1572	
5°	1568	1568	1564	1572	1573	149
15°	1513	1513	1510	1517	1517	427
25°	1398	1398	1395	1398	1397	643
35°	1215	1215	1213	1214	1214	759
45°	991	995	988	990	990	765
55°	732	731	723	720	721	651
65°	430	423	408	404	407	428
75°	197	196	189	188	186	213
85°	48	50	50	47	47	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1572.1	1572.1	1572.1	1572.1	1572.1
2.5°	1571.5	1572.1	1568.1	1575.5	1576.6
5°	1567.5	1568.1	1564.1	1571.5	1572.6
7.5°	1559.5	1560.1	1556.7	1563.5	1564.7
10°	1547.5	1549.3	1545.3	1551.5	1552.7
12.5°	1532.7	1533.3	1529.3	1536.7	1537.8
15°	1512.7	1513.3	1509.9	1516.7	1516.7
17.5°	1489.9	1490.5	1488.2	1493.9	1493.3
20°	1461.9	1463.7	1460.8	1464.8	1467.1
22.5°	1431.7	1432.3	1428.9	1434.0	1436.3
25°	1397.5	1398.0	1395.2	1398.0	1396.9
27.5°	1357.5	1358.7	1354.7	1357.5	1358.1
30°	1313.0	1315.9	1310.2	1312.4	1313.0
32.5°	1265.1	1266.8	1262.8	1263.4	1266.2
35°	1214.9	1215.4	1213.2	1214.3	1214.3
37.5°	1160.7	1162.9	1159.5	1161.2	1158.9
40°	1107.0	1104.7	1103.6	1104.7	1106.4
42.5°	1050.5	1051.1	1049.4	1048.2	1045.4
45°	991.2	994.6	988.3	989.5	989.5
47.5°	933.0	933.5	930.1	926.7	924.4
50°	870.8	870.8	866.8	863.9	860.5
52.5°	802.9	801.7	797.2	794.3	796.0
55°	731.5	731.0	723.0	720.1	720.7
57.5°	653.4	654.5	642.5	639.7	639.7
60°	578.6	572.9	559.2	555.2	560.4
62.5°	500.4	493.6	478.8	478.8	482.8
65°	429.7	423.4	408.0	404.0	407.4
67.5°	363.5	357.8	343.5	341.2	342.4
70°	300.7	295.6	287.0	281.9	283.6
72.5°	246.5	241.9	236.2	232.2	230.0
75°	196.9	195.7	189.4	187.7	185.5
77.5°	155.8	155.2	150.1	147.8	145.5
80°	117.0	116.4	115.3	111.8	110.1
82.5°	83.3	83.3	82.7	79.9	78.2
85°	48.5	50.2	50.2	47.4	47.4
87.5°	19.4	20.5	19.4	19.4	18.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)