

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: P737859

Luminaire Tested: **14PT-50-PL1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737859
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-50-PL1-L930
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

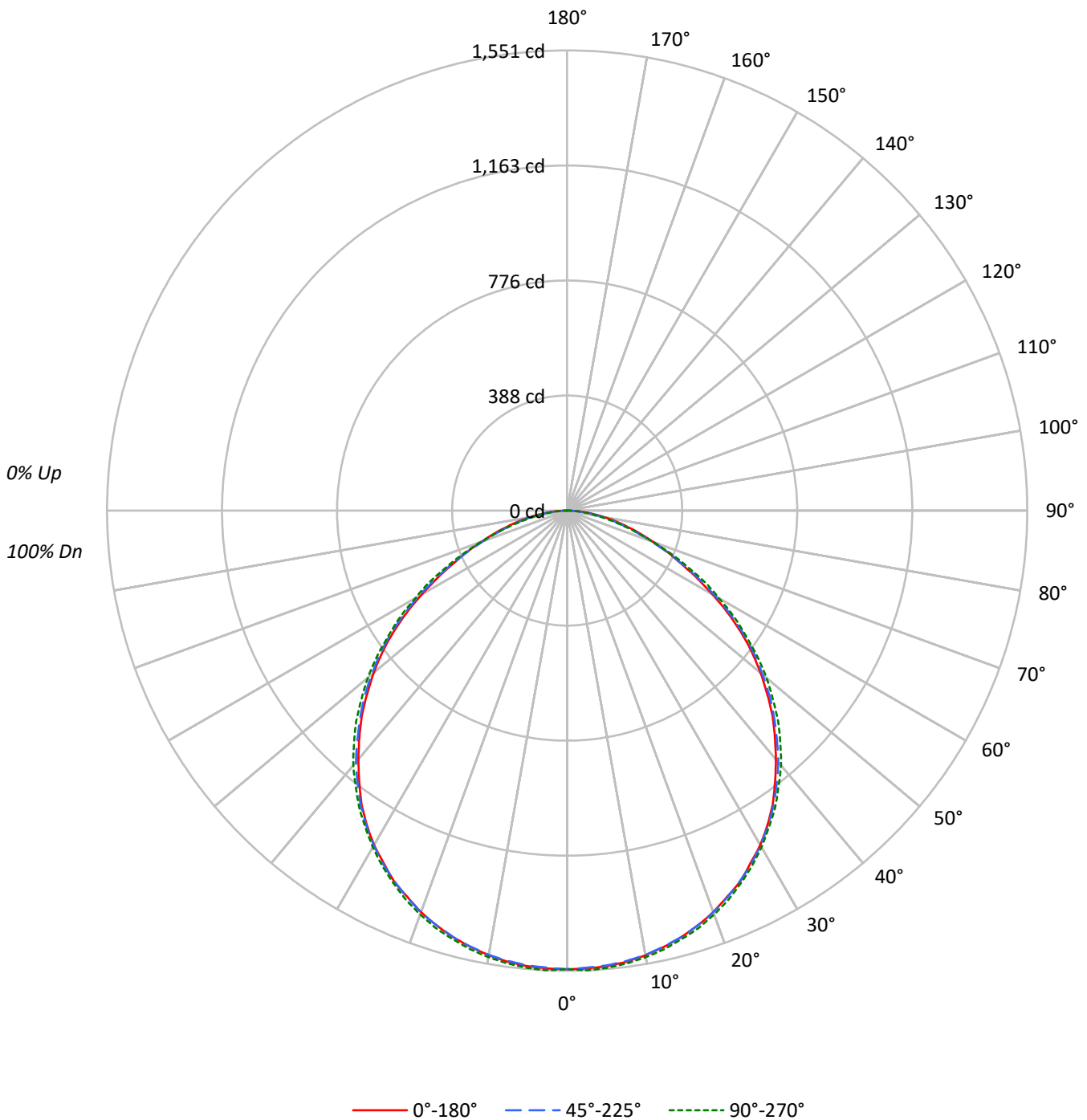
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4075.0 lumens
Efficiency: N/A
Efficacy: 99.6 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): 40.9
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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61					61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52					52			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46					46			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40					40			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4635	4635	4635
5°	4639	4630	4656
10°	4633	4628	4654
15°	4619	4617	4640
20°	4596	4596	4621
25°	4564	4558	4583
30°	4507	4513	4535
35°	4421	4438	4474
40°	4284	4333	4389
45°	4150	4184	4265
50°	3967	4010	4090
55°	3736	3796	3841
60°	3390	3462	3548
65°	3011	3043	3165
70°	2691	2636	2701
75°	2428	2289	2243
80°	2205	2048	1820
85°	1871	1696	1459



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.6	3.6
10°-20°	420.6	10.3
20°-30°	636.2	15.6
30°-40°	758.3	18.6
40°-50°	762.5	18.7
50°-60°	647.1	15.9
60°-70°	430.9	10.6
70°-80°	215.2	5.3
80°-90°	57.6	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°	1203.4	29.5
0°-40°	1961.7	48.1
0°-60°	3371.4	82.7
0°-90°	4075.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4075.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1546	1546	1546	1546	1546	
5°	1541	1542	1538	1545	1547	147
15°	1488	1490	1487	1494	1495	420
25°	1380	1380	1378	1384	1386	634
35°	1208	1209	1212	1221	1222	753
45°	979	981	987	1000	1006	753
55°	715	720	726	733	735	637
65°	424	428	429	435	446	425
75°	210	207	198	193	194	225
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°	1545.9	1545.9	1545.9	1545.9	1545.9
2.5°	1544.7	1545.9	1541.9	1549.3	1551.0
5°	1541.3	1541.9	1538.4	1545.3	1547.0
7.5°	1533.8	1534.4	1531.0	1538.4	1539.6
10°	1521.8	1523.0	1520.1	1527.0	1528.7
12.5°	1506.3	1508.1	1505.2	1512.6	1513.8
15°	1488.0	1489.7	1487.4	1493.7	1494.9
17.5°	1465.7	1466.8	1465.7	1471.4	1474.8
20°	1440.5	1440.5	1440.5	1445.6	1448.5
22.5°	1409.0	1411.8	1410.7	1417.6	1420.4
25°	1379.8	1379.8	1378.0	1384.3	1385.5
27.5°	1339.1	1343.7	1343.1	1348.8	1350.0
30°	1301.9	1303.0	1303.6	1307.6	1309.9
32.5°	1256.6	1257.8	1259.5	1265.2	1265.8
35°	1207.9	1209.1	1212.5	1221.1	1222.3
37.5°	1151.2	1157.5	1160.4	1169.6	1170.7
40°	1094.5	1098.5	1107.1	1116.9	1121.5
42.5°	1036.7	1041.3	1046.4	1059.6	1063.6
45°	978.8	980.6	986.9	1000.0	1005.8
47.5°	914.7	919.8	925.6	937.0	940.5
50°	850.5	856.3	859.7	870.0	876.9
52.5°	785.8	791.0	795.0	801.3	808.2
55°	714.8	720.0	726.3	733.1	734.8
57.5°	642.6	648.4	652.4	659.8	667.3
60°	565.3	571.6	577.3	584.2	591.7
62.5°	493.1	496.0	501.7	513.2	524.1
65°	424.4	427.8	429.0	435.3	446.2
67.5°	367.1	367.1	362.0	364.3	376.3
70°	307.0	304.7	300.7	298.4	308.1
72.5°	258.3	255.4	246.9	242.8	248.0
75°	209.6	206.8	197.6	193.0	193.6
77.5°	168.4	163.8	156.4	148.3	146.6
80°	127.7	126.0	118.6	111.1	105.4
82.5°	90.5	86.5	82.5	77.9	73.3
85°	54.4	53.3	49.3	46.4	42.4
87.5°	22.3	22.3	21.2	20.0	18.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)