

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: P737876

Luminaire Tested: **14PT-50-PR1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737876
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-50-PR1-L935
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

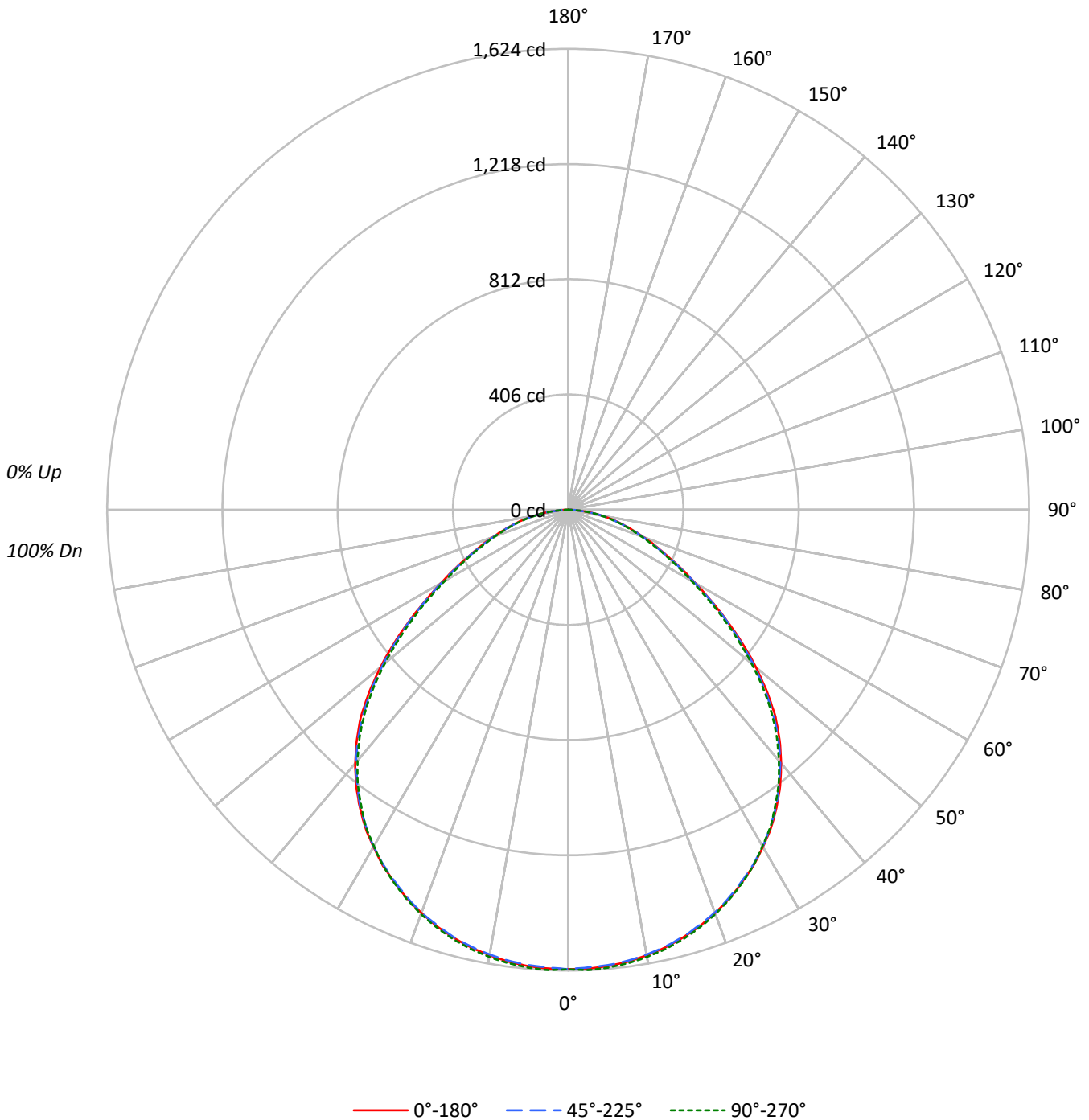
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4095.0 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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 (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	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	80	73	68	78	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	45	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	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4854	4854	4854
5°	4859	4849	4875
10°	4855	4846	4873
15°	4846	4839	4862
20°	4825	4820	4838
25°	4794	4782	4800
30°	4752	4746	4740
35°	4686	4675	4656
40°	4568	4550	4518
45°	4378	4329	4296
50°	4028	3982	3933
55°	3564	3549	3480
60°	3097	3087	3003
65°	2730	2713	2660
70°	2477	2442	2391
75°	2292	2239	2199
80°	2094	2065	1994
85°	1658	1637	1575



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.6	3.8
10°-20°	440.9	10.8
20°-30°	667.9	16.3
30°-40°	797.3	19.5
40°-50°	784.1	19.1
50°-60°	606.0	14.8
60°-70°	382.1	9.3
70°-80°	206.7	5.0
80°-90°	56.5	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°	1262.3	30.8
0°-40°	2059.6	50.3
0°-60°	3449.7	84.2
0°-90°	4095.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4095.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1619	1619	1619	1619	1619	
5°	1615	1615	1611	1618	1620	153
15°	1561	1562	1559	1564	1566	441
25°	1449	1450	1446	1450	1451	668
35°	1280	1281	1277	1276	1272	799
45°	1032	1028	1021	1013	1013	791
55°	682	688	679	668	666	612
65°	385	385	382	376	375	387
75°	198	196	193	194	190	210
85°	48	49	48	48	46	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1619.2	1619.2	1619.2	1619.2	1619.2
2.5°	1618.6	1619.2	1614.6	1622.1	1623.9
5°	1614.6	1615.2	1611.1	1618.1	1619.8
7.5°	1606.5	1607.6	1603.5	1610.5	1612.3
10°	1594.8	1596.0	1591.9	1598.9	1600.6
12.5°	1580.3	1580.9	1577.4	1583.8	1585.6
15°	1561.2	1561.8	1558.9	1564.1	1566.4
17.5°	1539.1	1539.7	1535.6	1542.0	1543.2
20°	1512.4	1513.0	1510.7	1515.9	1516.5
22.5°	1482.8	1484.0	1480.5	1485.2	1485.7
25°	1449.2	1450.3	1445.7	1450.3	1450.9
27.5°	1413.8	1414.3	1410.3	1413.8	1413.2
30°	1372.6	1376.0	1370.8	1369.7	1369.1
32.5°	1329.6	1330.2	1325.0	1323.8	1326.1
35°	1280.3	1280.9	1277.4	1275.6	1272.2
37.5°	1226.3	1226.3	1219.9	1218.8	1218.2
40°	1167.1	1166.5	1162.5	1158.4	1154.3
42.5°	1102.7	1103.9	1095.7	1088.8	1087.6
45°	1032.5	1028.4	1020.9	1012.7	1013.3
47.5°	949.5	950.6	940.2	933.8	932.1
50°	863.6	863.6	853.7	846.8	843.3
52.5°	773.6	774.2	764.9	755.6	753.9
55°	681.9	687.7	679.0	668.0	665.7
57.5°	596.0	600.7	592.6	580.9	580.4
60°	516.5	517.1	514.8	503.8	500.9
62.5°	448.6	445.7	444.6	438.8	435.3
65°	384.8	385.4	382.5	376.1	374.9
67.5°	333.1	332.5	327.3	323.3	320.9
70°	282.6	280.9	278.6	275.1	272.8
72.5°	237.4	237.4	235.6	234.5	230.4
75°	197.9	195.6	193.3	194.4	189.8
77.5°	160.2	157.9	156.1	153.8	152.6
80°	121.3	119.0	119.6	116.1	115.5
82.5°	84.2	84.2	83.0	80.1	80.7
85°	48.2	48.8	47.6	48.2	45.8
87.5°	17.4	18.0	19.2	18.0	18.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)