

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: P737852

Luminaire Tested: **14PT-50-PC3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737852
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-50-PC3-L935
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

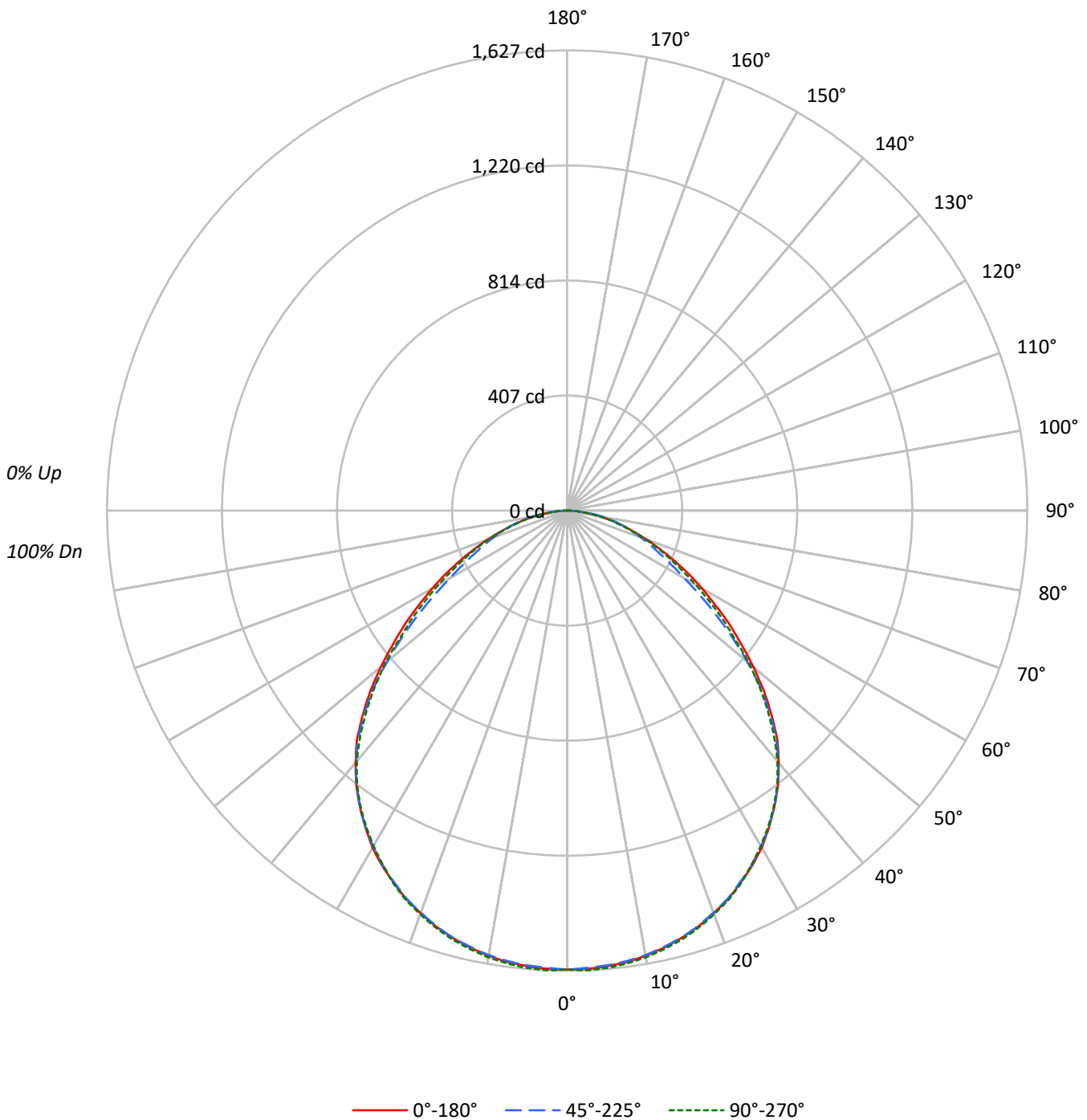
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4091.0 lumens
Efficiency: N/A
Efficacy: 100.0 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 (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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85					85			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72					72			
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62					62			
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54					54			
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47					47			
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41					41			
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37					37			
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4865	4865	4865
5°	4866	4858	4886
10°	4866	4857	4884
15°	4855	4849	4871
20°	4833	4826	4846
25°	4800	4792	4811
30°	4764	4748	4740
35°	4677	4673	4665
40°	4554	4547	4527
45°	4331	4299	4255
50°	4009	3874	3917
55°	3659	3361	3513
60°	3299	2867	3146
65°	2948	2565	2828
70°	2615	2426	2544
75°	2313	2353	2266
80°	1994	2244	1984
85°	1496	1778	1496



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.9	3.8
10°-20°	441.8	10.8
20°-30°	668.9	16.3
30°-40°	797.4	19.5
40°-50°	779.2	19.0
50°-60°	595.8	14.6
60°-70°	382.5	9.4
70°-80°	212.8	5.2
80°-90°	58.8	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°	1264.5	30.9
0°-40°	2062.0	50.4
0°-60°	3436.9	84.0
0°-90°	4091.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4091.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1623	1623	1623	1623	1623	
5°	1617	1618	1614	1622	1623	154
15°	1564	1565	1562	1568	1569	441
25°	1451	1453	1449	1453	1454	669
35°	1278	1279	1277	1276	1274	798
45°	1022	1024	1014	1012	1004	786
55°	700	676	643	651	672	626
65°	416	384	362	374	399	414
75°	200	201	203	200	196	213
85°	44	51	52	50	44	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1622.8	1622.8	1622.8	1622.8	1622.8
2.5°	1621.6	1622.2	1618.1	1625.1	1627.4
5°	1617.0	1618.1	1614.1	1621.6	1623.4
7.5°	1610.0	1611.2	1607.1	1614.7	1615.2
10°	1598.4	1599.0	1595.5	1603.0	1604.2
12.5°	1582.7	1584.5	1580.4	1587.4	1588.0
15°	1564.2	1565.3	1562.4	1567.6	1569.4
17.5°	1542.1	1542.7	1539.8	1545.6	1546.2
20°	1514.8	1514.8	1512.5	1518.9	1518.9
22.5°	1487.0	1485.2	1484.6	1487.0	1490.5
25°	1451.0	1452.7	1448.7	1453.3	1454.5
27.5°	1416.2	1416.2	1412.7	1415.0	1412.1
30°	1376.1	1373.8	1371.5	1372.1	1369.2
32.5°	1327.9	1327.9	1326.8	1326.8	1323.3
35°	1278.0	1279.2	1276.9	1276.3	1274.5
37.5°	1224.6	1226.4	1222.3	1221.2	1220.0
40°	1163.7	1163.7	1161.9	1159.6	1156.7
42.5°	1100.4	1100.4	1092.9	1087.1	1083.0
45°	1021.5	1023.8	1013.9	1011.6	1003.5
47.5°	943.1	941.4	928.1	926.3	921.7
50°	859.6	849.7	830.5	835.8	839.8
52.5°	776.0	763.8	735.9	741.7	748.7
55°	700.0	675.6	643.1	651.2	672.1
57.5°	620.4	587.9	555.4	570.5	596.6
60°	550.2	513.6	478.2	494.5	524.7
62.5°	482.9	444.0	415.6	431.2	456.8
65°	415.6	383.6	361.6	373.8	398.7
67.5°	354.0	332.6	317.5	323.3	343.6
70°	298.3	285.0	276.8	278.6	290.2
72.5°	245.5	242.0	239.1	239.1	240.3
75°	199.7	201.4	203.1	200.2	195.6
77.5°	157.3	163.1	167.2	161.3	155.5
80°	115.5	124.8	130.0	123.6	114.9
82.5°	78.9	89.4	91.1	87.1	77.2
85°	43.5	51.1	51.7	49.9	43.5
87.5°	16.3	19.2	20.9	19.2	16.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)