

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: P737812

Luminaire Tested: **14PT-40-PC3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737812
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-40-PC3-L935
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

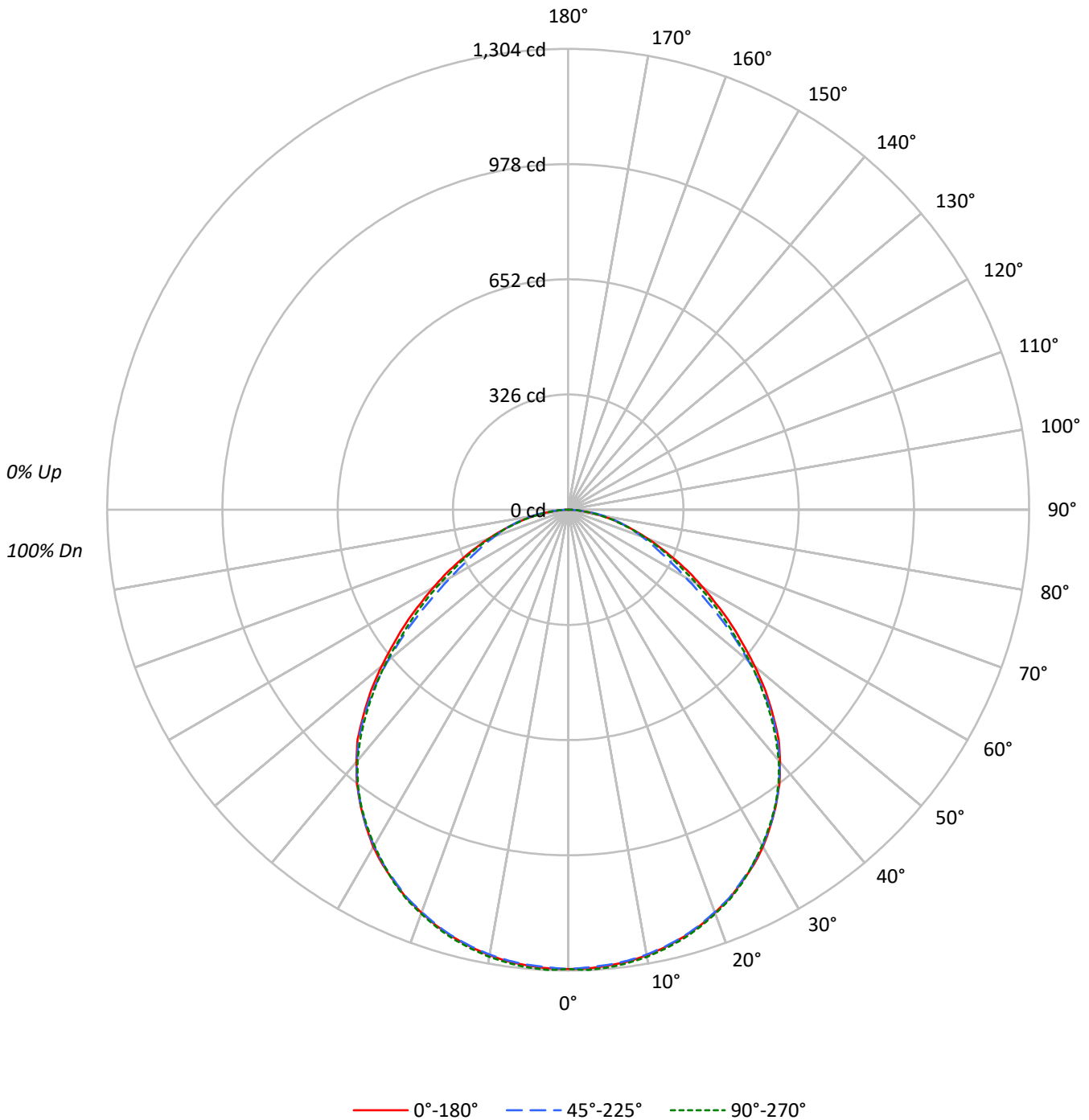
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3277.0 lumens
Efficiency: N/A
Efficacy: 102.1 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): 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

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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°	3897	3897	3897
5°	3898	3891	3914
10°	3898	3891	3912
15°	3889	3884	3902
20°	3871	3866	3882
25°	3845	3839	3854
30°	3816	3803	3797
35°	3747	3743	3736
40°	3648	3643	3626
45°	3469	3444	3408
50°	3211	3103	3138
55°	2931	2692	2814
60°	2643	2297	2520
65°	2362	2054	2266
70°	2095	1944	2038
75°	1852	1885	1815
80°	1597	1797	1590
85°	1201	1424	1201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.3	3.8
10°-20°	353.9	10.8
20°-30°	535.8	16.3
30°-40°	638.8	19.5
40°-50°	624.1	19.0
50°-60°	477.2	14.6
60°-70°	306.4	9.4
70°-80°	170.5	5.2
80°-90°	47.1	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°	1012.9	30.9
0°-40°	1651.7	50.4
0°-60°	2753.1	84.0
0°-90°	3277.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3277.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1300	1300	1300	1300	1300	
5°	1295	1296	1293	1299	1300	123
15°	1253	1254	1252	1256	1257	354
25°	1162	1164	1160	1164	1165	536
35°	1024	1025	1023	1022	1021	640
45°	818	820	812	810	804	630
55°	561	541	515	522	538	501
65°	333	307	290	299	319	332
75°	160	161	163	160	157	171
85°	35	41	41	40	35	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1299.9	1299.9	1299.9	1299.9	1299.9
2.5°	1299.0	1299.4	1296.2	1301.8	1303.6
5°	1295.2	1296.2	1292.9	1299.0	1300.4
7.5°	1289.7	1290.6	1287.3	1293.4	1293.8
10°	1280.4	1280.8	1278.0	1284.1	1285.0
12.5°	1267.8	1269.2	1266.0	1271.5	1272.0
15°	1252.9	1253.9	1251.5	1255.7	1257.1
17.5°	1235.3	1235.7	1233.4	1238.1	1238.5
20°	1213.4	1213.4	1211.6	1216.7	1216.7
22.5°	1191.1	1189.7	1189.2	1191.1	1193.9
25°	1162.3	1163.7	1160.4	1164.1	1165.1
27.5°	1134.4	1134.4	1131.6	1133.5	1131.1
30°	1102.3	1100.4	1098.6	1099.1	1096.7
32.5°	1063.7	1063.7	1062.8	1062.8	1060.0
35°	1023.7	1024.7	1022.8	1022.3	1020.9
37.5°	981.0	982.4	979.1	978.2	977.2
40°	932.1	932.1	930.8	928.9	926.6
42.5°	881.5	881.5	875.4	870.8	867.5
45°	818.2	820.1	812.2	810.3	803.8
47.5°	755.5	754.1	743.4	742.0	738.3
50°	688.5	680.6	665.3	669.5	672.7
52.5°	621.6	611.8	589.5	594.2	599.7
55°	560.7	541.2	515.1	521.6	538.4
57.5°	497.0	471.0	444.9	457.0	477.9
60°	440.7	411.4	383.1	396.1	420.3
62.5°	386.8	355.7	332.9	345.4	365.9
65°	332.9	307.3	289.6	299.4	319.4
67.5°	283.6	266.4	254.3	259.0	275.2
70°	239.0	228.3	221.8	223.2	232.5
72.5°	196.7	193.9	191.5	191.5	192.5
75°	159.9	161.3	162.7	160.4	156.7
77.5°	126.0	130.6	133.9	129.2	124.6
80°	92.5	100.0	104.1	99.0	92.1
82.5°	63.2	71.6	73.0	69.7	61.8
85°	34.9	40.9	41.4	40.0	34.9
87.5°	13.0	15.3	16.7	15.3	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)