

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: P737813

Luminaire Tested: **14PT-40-PC3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737813
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-L940
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

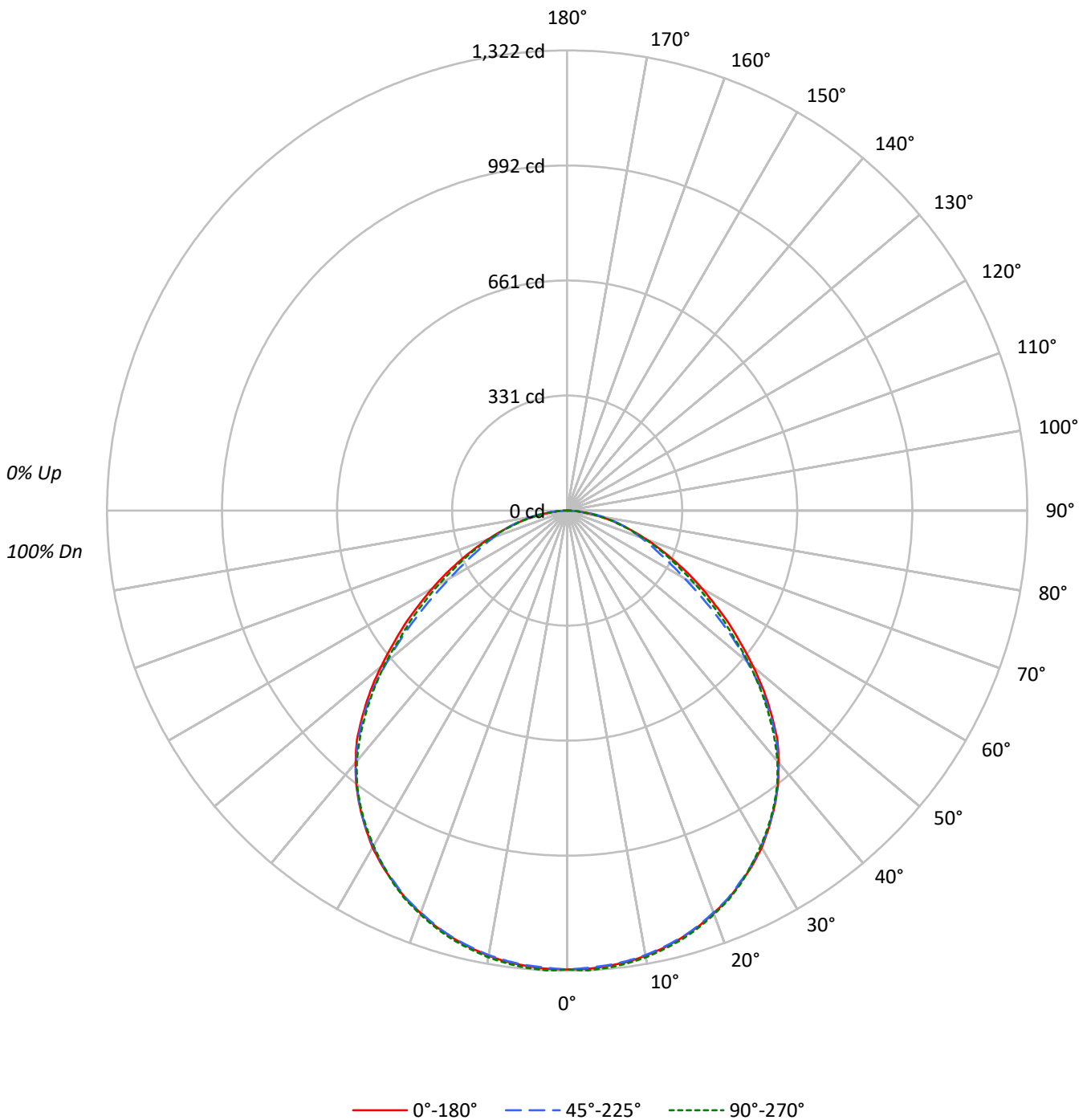
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3324.0 lumens
Efficiency: N/A
Efficacy: 103.6 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	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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3953	3953	3953
5°	3954	3947	3970
10°	3954	3947	3968
15°	3945	3940	3958
20°	3927	3921	3937
25°	3900	3894	3909
30°	3871	3858	3851
35°	3801	3797	3790
40°	3700	3695	3678
45°	3519	3493	3457
50°	3257	3147	3183
55°	2973	2731	2854
60°	2681	2330	2556
65°	2396	2084	2298
70°	2125	1971	2067
75°	1879	1912	1841
80°	1619	1823	1613
85°	1218	1445	1218



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	3.8
10°-20°	358.9	10.8
20°-30°	543.5	16.3
30°-40°	647.9	19.5
40°-50°	633.1	19.0
50°-60°	484.1	14.6
60°-70°	310.8	9.4
70°-80°	172.9	5.2
80°-90°	47.8	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°	1027.4	30.9
0°-40°	1675.4	50.4
0°-60°	2792.6	84.0
0°-90°	3324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3324.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1318	1318	1318	1318	1318	
5°	1314	1315	1312	1318	1319	125
15°	1271	1272	1270	1274	1275	359
25°	1179	1180	1177	1181	1182	544
35°	1038	1039	1038	1037	1036	649
45°	830	832	824	822	815	639
55°	569	549	522	529	546	508
65°	338	312	294	304	324	337
75°	162	164	165	163	159	173
85°	35	42	42	41	35	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1318.5	1318.5	1318.5	1318.5	1318.5
2.5°	1317.6	1318.1	1314.8	1320.4	1322.3
5°	1313.8	1314.8	1311.5	1317.6	1319.0
7.5°	1308.2	1309.1	1305.8	1311.9	1312.4
10°	1298.7	1299.2	1296.4	1302.5	1303.4
12.5°	1286.0	1287.4	1284.1	1289.8	1290.2
15°	1270.9	1271.8	1269.5	1273.7	1275.2
17.5°	1253.0	1253.5	1251.1	1255.8	1256.3
20°	1230.8	1230.8	1228.9	1234.1	1234.1
22.5°	1208.2	1206.8	1206.3	1208.2	1211.0
25°	1178.9	1180.4	1177.1	1180.8	1181.8
27.5°	1150.7	1150.7	1147.8	1149.7	1147.4
30°	1118.1	1116.2	1114.3	1114.8	1112.5
32.5°	1079.0	1079.0	1078.0	1078.0	1075.2
35°	1038.4	1039.4	1037.5	1037.0	1035.6
37.5°	995.0	996.4	993.1	992.2	991.3
40°	945.5	945.5	944.1	942.2	939.9
42.5°	894.1	894.1	888.0	883.3	880.0
45°	830.0	831.9	823.8	822.0	815.4
47.5°	766.3	764.9	754.1	752.6	748.9
50°	698.4	690.4	674.8	679.1	682.4
52.5°	630.5	620.6	598.0	602.7	608.3
55°	568.7	548.9	522.5	529.1	546.1
57.5°	504.1	477.7	451.3	463.6	484.8
60°	447.1	417.3	388.6	401.8	426.3
62.5°	392.4	360.8	337.7	350.4	371.1
65°	337.7	311.7	293.8	303.7	324.0
67.5°	287.7	270.2	258.0	262.7	279.2
70°	242.4	231.5	224.9	226.4	235.8
72.5°	199.5	196.6	194.3	194.3	195.2
75°	162.2	163.6	165.1	162.7	158.9
77.5°	127.8	132.5	135.8	131.1	126.4
80°	93.8	101.4	105.6	100.4	93.4
82.5°	64.1	72.6	74.0	70.7	62.7
85°	35.4	41.5	42.0	40.6	35.4
87.5°	13.2	15.6	17.0	15.6	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)