

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: P737828

Luminaire Tested: **14PT-40-PP3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PP3-L935
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

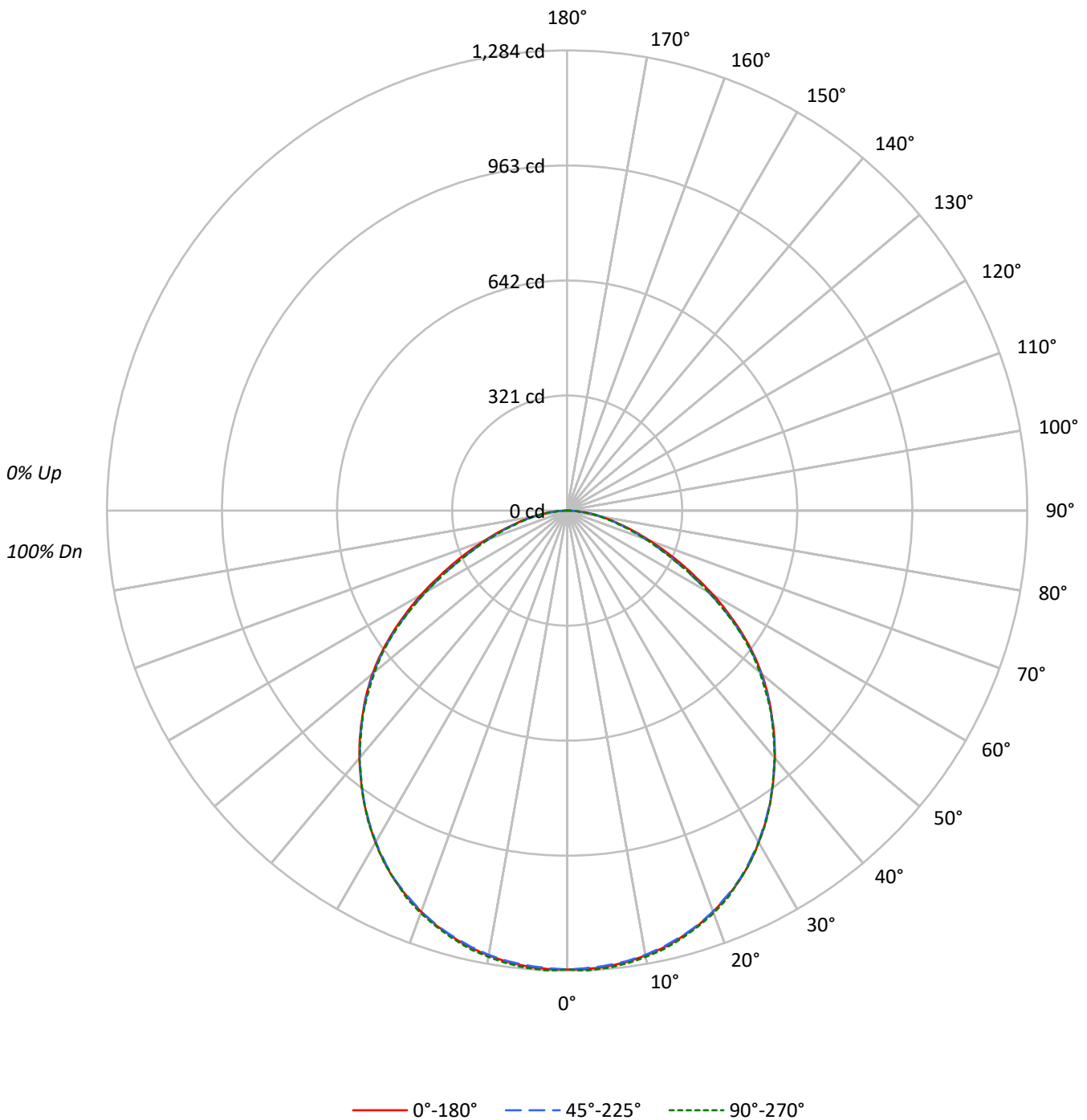
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3309.0 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 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

TEST NUMBER: P737828
CATALOG NUMBER: 14PT-40-PP3-L935

Luminous Intensity Polar Plot





TEST NUMBER: P737828

CATALOG NUMBER: 14PT-40-PP3-L935

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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3840	3840	3840
5°	3843	3834	3856
10°	3838	3832	3850
15°	3825	3818	3835
20°	3800	3797	3813
25°	3766	3760	3764
30°	3703	3695	3703
35°	3622	3617	3620
40°	3529	3518	3527
45°	3423	3414	3417
50°	3309	3293	3270
55°	3115	3079	3069
60°	2827	2731	2737
65°	2483	2358	2355
70°	2148	2049	2025
75°	1858	1787	1750
80°	1645	1621	1549
85°	1359	1407	1328



TEST NUMBER: P737828

CATALOG NUMBER: 14PT-40-PP3-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.5	3.7
10°-20°	347.9	10.5
20°-30°	523.8	15.8
30°-40°	618.3	18.7
40°-50°	621.8	18.8
50°-60°	524.9	15.9
60°-70°	337.1	10.2
70°-80°	167.7	5.1
80°-90°	45.9	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°	993.2	30.0
0°-40°	1611.5	48.7
0°-60°	2758.2	83.4
0°-90°	3309.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3309.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1281	1281	1281	1281	1281	
5°	1277	1277	1274	1280	1281	121
15°	1232	1233	1230	1236	1236	348
25°	1138	1139	1137	1139	1138	524
35°	990	990	988	989	989	619
45°	807	810	805	806	806	623
55°	596	596	589	587	587	530
65°	350	345	332	329	332	349
75°	160	159	154	153	151	174
85°	40	41	41	39	39	46
90°	0	0	0	0	0	



TEST NUMBER: P737828

CATALOG NUMBER: 14PT-40-PP3-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1280.7	1280.7	1280.7	1280.7	1280.7
2.5°	1280.2	1280.7	1277.4	1283.4	1284.4
5°	1276.9	1277.4	1274.1	1280.2	1281.1
7.5°	1270.4	1270.9	1268.1	1273.7	1274.6
10°	1260.7	1262.1	1258.8	1263.9	1264.8
12.5°	1248.6	1249.0	1245.8	1251.8	1252.8
15°	1232.3	1232.8	1230.0	1235.6	1235.6
17.5°	1213.7	1214.2	1212.3	1217.0	1216.5
20°	1190.9	1192.3	1190.0	1193.3	1195.1
22.5°	1166.3	1166.8	1164.0	1168.2	1170.0
25°	1138.4	1138.9	1136.6	1138.9	1137.9
27.5°	1105.9	1106.8	1103.5	1105.9	1106.3
30°	1069.6	1071.9	1067.3	1069.1	1069.6
32.5°	1030.6	1032.0	1028.7	1029.2	1031.5
35°	989.7	990.1	988.3	989.2	989.2
37.5°	945.5	947.4	944.6	946.0	944.1
40°	901.8	899.9	899.0	899.9	901.3
42.5°	855.8	856.2	854.9	853.9	851.6
45°	807.4	810.2	805.1	806.0	806.0
47.5°	760.0	760.5	757.7	754.9	753.1
50°	709.4	709.4	706.1	703.8	701.0
52.5°	654.0	653.1	649.4	647.1	648.5
55°	595.9	595.5	589.0	586.6	587.1
57.5°	532.2	533.2	523.4	521.1	521.1
60°	471.4	466.7	455.5	452.3	456.5
62.5°	407.7	402.1	390.0	390.0	393.3
65°	350.0	344.9	332.4	329.1	331.9
67.5°	296.1	291.5	279.8	278.0	278.9
70°	245.0	240.8	233.8	229.6	231.0
72.5°	200.8	197.1	192.4	189.2	187.3
75°	160.4	159.4	154.3	152.9	151.1
77.5°	126.9	126.4	122.3	120.4	118.5
80°	95.3	94.8	93.9	91.1	89.7
82.5°	67.9	67.9	67.4	65.1	63.7
85°	39.5	40.9	40.9	38.6	38.6
87.5°	15.8	16.7	15.8	15.8	15.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)