

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: P737829

Luminaire Tested: **14PT-40-PP3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737829
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-L940
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

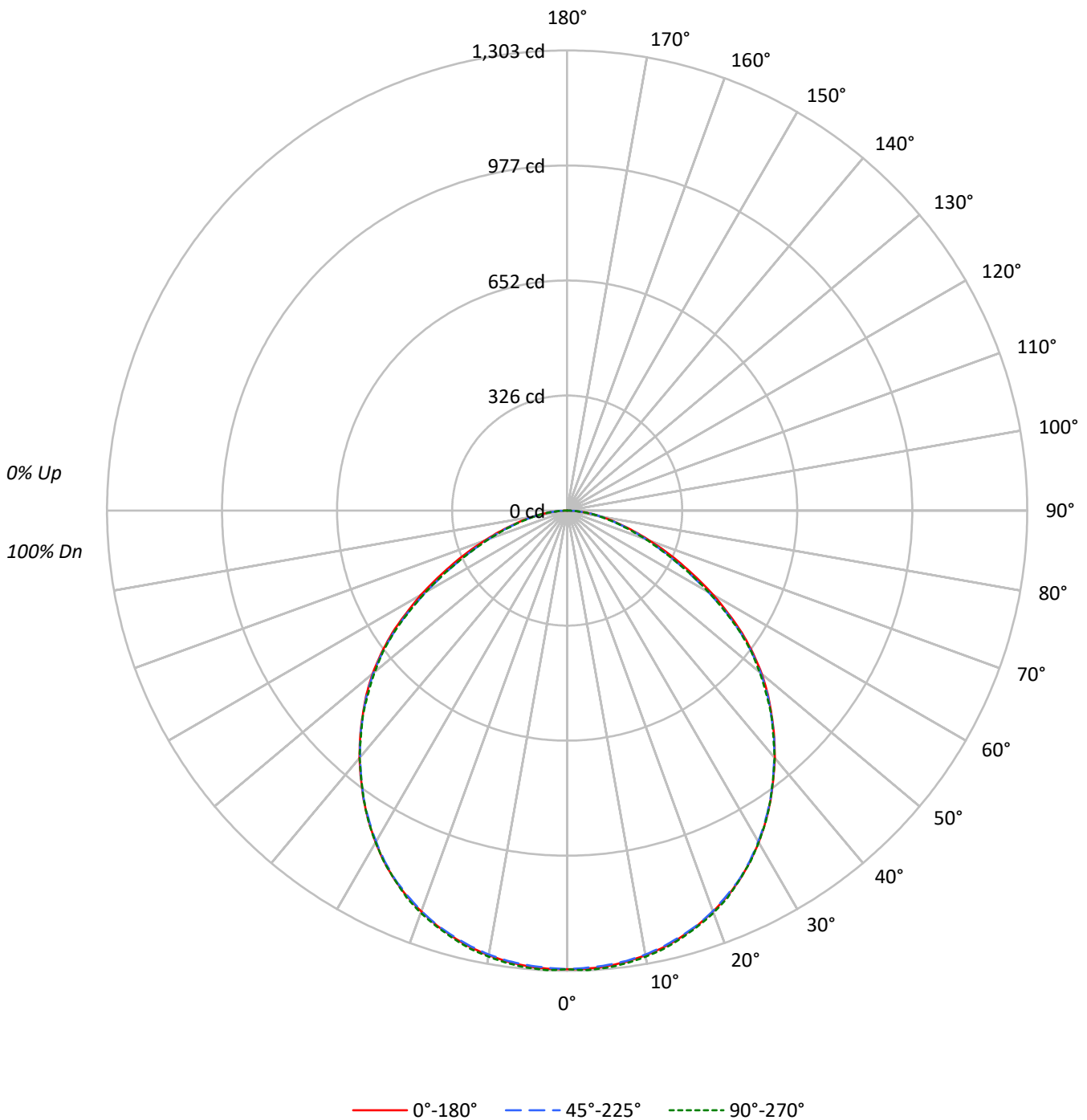
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3356.0 lumens
Efficiency: N/A
Efficacy: 104.5 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

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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	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°	3894	3894	3894
5°	3898	3889	3910
10°	3892	3887	3905
15°	3879	3872	3889
20°	3854	3851	3867
25°	3819	3813	3818
30°	3755	3747	3755
35°	3674	3668	3672
40°	3579	3569	3578
45°	3472	3462	3466
50°	3355	3340	3316
55°	3159	3122	3112
60°	2866	2770	2776
65°	2518	2391	2388
70°	2178	2078	2054
75°	1884	1813	1775
80°	1668	1644	1571
85°	1379	1428	1345



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.2	3.7
10°-20°	352.9	10.5
20°-30°	531.3	15.8
30°-40°	627.0	18.7
40°-50°	630.6	18.8
50°-60°	532.4	15.9
60°-70°	341.9	10.2
70°-80°	170.1	5.1
80°-90°	46.6	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°	1007.4	30.0
0°-40°	1634.4	48.7
0°-60°	2797.4	83.4
0°-90°	3356.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3356.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1299	1299	1299	1299	1299	
5°	1295	1296	1292	1298	1299	123
15°	1250	1250	1248	1253	1253	353
25°	1155	1155	1153	1155	1154	531
35°	1004	1004	1002	1003	1003	627
45°	819	822	816	818	818	632
55°	604	604	597	595	595	538
65°	355	350	337	334	337	354
75°	163	162	156	155	153	176
85°	40	42	42	39	39	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1298.8	1298.8	1298.8	1298.8	1298.8
2.5°	1298.4	1298.8	1295.5	1301.7	1302.6
5°	1295.1	1295.5	1292.2	1298.4	1299.3
7.5°	1288.5	1288.9	1286.1	1291.8	1292.7
10°	1278.6	1280.0	1276.7	1281.9	1282.8
12.5°	1266.3	1266.8	1263.5	1269.6	1270.6
15°	1249.8	1250.3	1247.5	1253.1	1253.1
17.5°	1231.0	1231.4	1229.5	1234.3	1233.8
20°	1207.9	1209.3	1206.9	1210.2	1212.1
22.5°	1182.9	1183.3	1180.5	1184.8	1186.6
25°	1154.6	1155.1	1152.7	1155.1	1154.1
27.5°	1121.6	1122.5	1119.2	1121.6	1122.0
30°	1084.8	1087.2	1082.4	1084.3	1084.8
32.5°	1045.2	1046.6	1043.3	1043.8	1046.1
35°	1003.7	1004.2	1002.3	1003.2	1003.2
37.5°	958.9	960.8	958.0	959.4	957.5
40°	914.6	912.7	911.8	912.7	914.1
42.5°	867.9	868.4	867.0	866.1	863.7
45°	818.9	821.7	816.5	817.5	817.5
47.5°	770.8	771.3	768.5	765.6	763.7
50°	719.4	719.4	716.1	713.8	710.9
52.5°	663.3	662.4	658.6	656.3	657.7
55°	604.4	603.9	597.3	595.0	595.4
57.5°	539.8	540.8	530.9	528.5	528.5
60°	478.0	473.3	462.0	458.7	463.0
62.5°	413.5	407.8	395.5	395.5	398.8
65°	355.0	349.8	337.1	333.8	336.6
67.5°	300.3	295.6	283.8	281.9	282.9
70°	248.5	244.2	237.1	232.9	234.3
72.5°	203.7	199.9	195.2	191.9	190.0
75°	162.6	161.7	156.5	155.1	153.2
77.5°	128.7	128.2	124.0	122.1	120.2
80°	96.6	96.2	95.2	92.4	91.0
82.5°	68.8	68.8	68.4	66.0	64.6
85°	40.1	41.5	41.5	39.1	39.1
87.5°	16.0	17.0	16.0	16.0	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)