

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: P737843

Luminaire Tested: **14PT-40-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PW1-L930
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

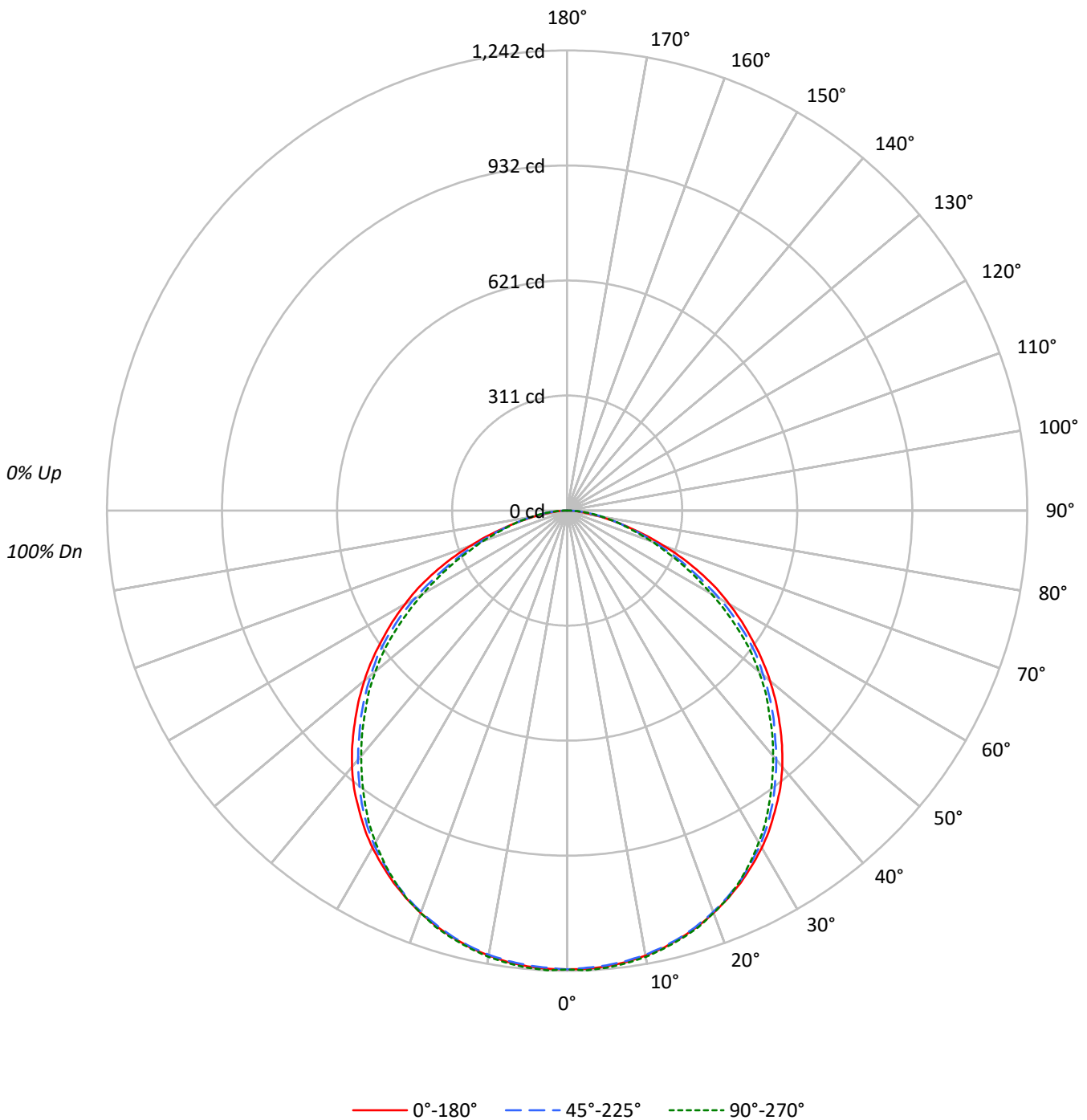
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3286.0 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 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	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	62	48	40	34	60	47	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3713	3713	3713
5°	3716	3707	3727
10°	3714	3706	3724
15°	3702	3697	3711
20°	3687	3678	3687
25°	3667	3651	3648
30°	3639	3607	3582
35°	3590	3536	3491
40°	3536	3439	3385
45°	3437	3336	3268
50°	3334	3225	3150
55°	3194	3087	2964
60°	3029	2850	2701
65°	2802	2545	2418
70°	2429	2216	2132
75°	1940	1897	1844
80°	1473	1647	1647
85°	1090	1403	1403



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.4	3.6
10°-20°	336.8	10.2
20°-30°	509.0	15.5
30°-40°	604.4	18.4
40°-50°	609.0	18.5
50°-60°	526.4	16.0
60°-70°	359.7	10.9
70°-80°	177.4	5.4
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°	963.3	29.3
0°-40°	1567.7	47.7
0°-60°	2703.0	82.3
0°-90°	3286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3286.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1238	1238	1238	1238	1238	
5°	1235	1235	1232	1237	1238	117
15°	1193	1194	1191	1195	1196	337
25°	1108	1108	1104	1105	1103	511
35°	981	978	966	958	954	614
45°	811	802	787	778	771	626
55°	611	609	590	573	567	546
65°	395	381	359	343	341	390
75°	168	166	164	164	159	182
85°	32	37	41	42	41	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1238.3	1238.3	1238.3	1238.3	1238.3
2.5°	1237.8	1238.3	1235.1	1240.6	1241.9
5°	1234.6	1235.1	1231.8	1236.9	1238.3
7.5°	1228.6	1229.6	1225.9	1230.9	1231.8
10°	1219.9	1220.4	1217.2	1222.2	1223.1
12.5°	1208.0	1208.4	1205.7	1210.3	1210.3
15°	1192.8	1194.2	1191.0	1195.1	1195.6
17.5°	1175.9	1176.3	1173.1	1177.7	1178.6
20°	1155.7	1155.7	1152.9	1156.6	1155.7
22.5°	1133.2	1133.2	1130.0	1131.8	1132.7
25°	1108.4	1107.5	1103.8	1104.8	1102.9
27.5°	1080.0	1080.0	1073.6	1073.6	1070.4
30°	1051.1	1048.8	1041.9	1037.8	1034.6
32.5°	1018.1	1014.8	1006.1	998.8	996.5
35°	980.9	977.7	966.2	957.5	953.8
37.5°	945.1	937.8	922.6	913.9	909.8
40°	903.4	894.2	878.6	866.7	864.8
42.5°	858.4	851.1	830.9	822.1	819.9
45°	810.7	802.0	786.8	777.6	770.8
47.5°	763.9	757.5	740.0	729.0	726.7
50°	714.8	709.3	691.4	679.5	675.3
52.5°	663.9	660.2	645.1	629.9	624.9
55°	611.1	609.3	590.5	573.0	567.1
57.5°	559.3	557.0	533.6	513.4	507.9
60°	505.1	498.2	475.3	456.5	450.5
62.5°	453.7	439.1	414.3	399.6	392.7
65°	395.0	380.8	358.8	343.2	340.9
67.5°	337.2	320.2	303.3	293.6	286.3
70°	277.1	265.6	252.8	244.5	243.2
72.5°	221.1	212.9	206.5	201.4	197.3
75°	167.5	166.1	163.8	163.8	159.2
77.5°	123.0	126.2	128.0	127.5	128.5
80°	85.3	91.8	95.4	95.9	95.4
82.5°	54.1	61.5	67.4	68.4	69.3
85°	31.7	37.2	40.8	41.7	40.8
87.5°	14.2	17.9	18.8	19.7	18.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)