

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: P737846

Luminaire Tested: **14PT-40-PW1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737846
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-L950
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

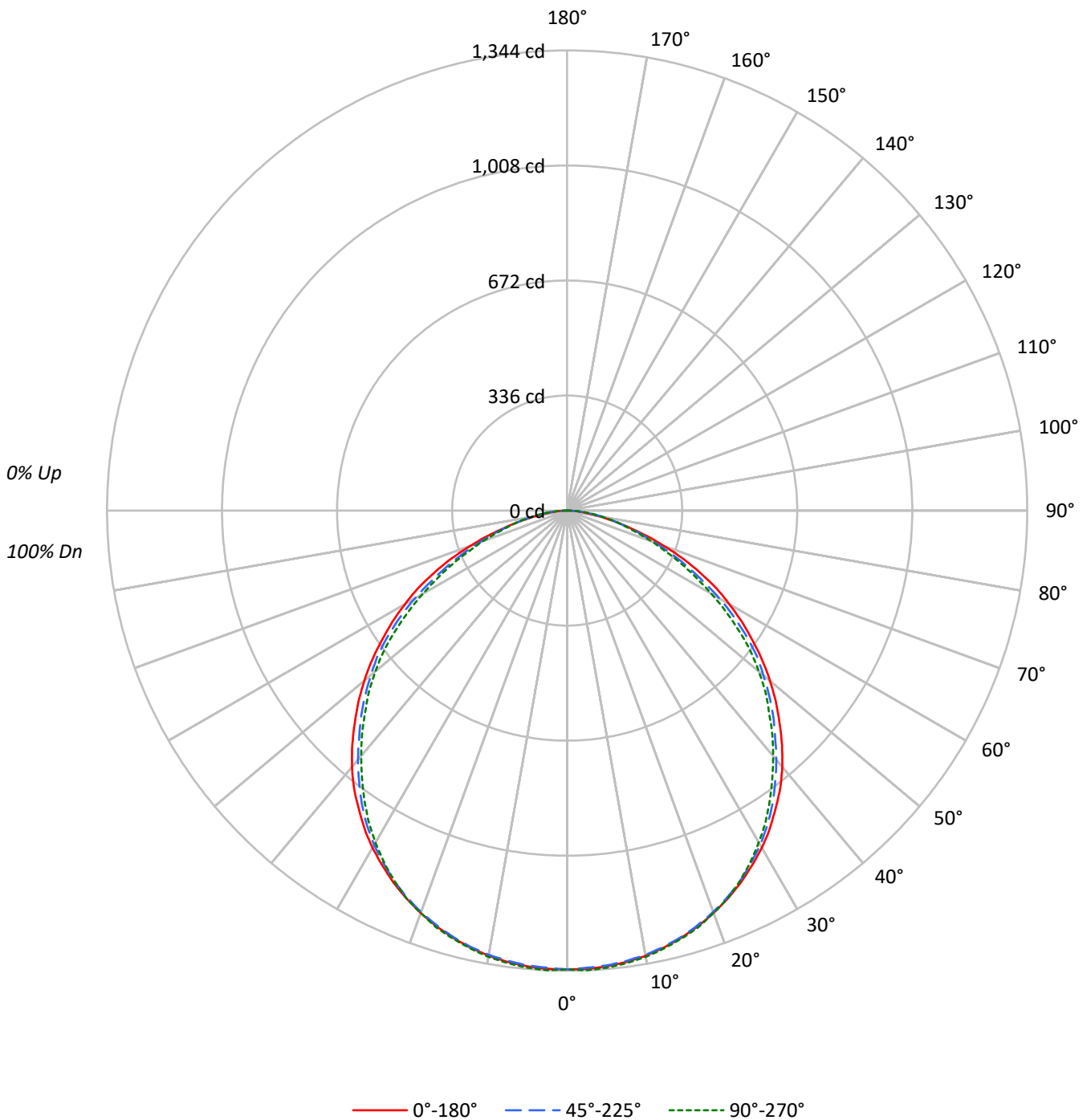
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3556.0 lumens
Efficiency: N/A
Efficacy: 110.8 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°	4017	4017	4017
5°	4021	4012	4033
10°	4019	4010	4029
15°	4007	4001	4016
20°	3990	3981	3990
25°	3968	3951	3948
30°	3938	3903	3876
35°	3885	3827	3778
40°	3826	3721	3663
45°	3720	3610	3537
50°	3608	3490	3409
55°	3457	3340	3208
60°	3277	3084	2923
65°	3033	2755	2617
70°	2629	2398	2306
75°	2099	2053	1996
80°	1594	1783	1783
85°	1180	1520	1520



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.1	3.6
10°-20°	364.5	10.2
20°-30°	550.8	15.5
30°-40°	654.1	18.4
40°-50°	659.0	18.5
50°-60°	569.6	16.0
60°-70°	389.3	10.9
70°-80°	192.0	5.4
80°-90°	49.7	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°	1042.4	29.3
0°-40°	1696.5	47.7
0°-60°	2925.1	82.3
0°-90°	3556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3556.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1340	1340	1340	1340	1340	
5°	1336	1336	1333	1338	1340	127
15°	1291	1292	1289	1293	1294	364
25°	1200	1198	1194	1196	1194	553
35°	1062	1058	1046	1036	1032	664
45°	877	868	852	842	834	677
55°	661	659	639	620	614	591
65°	428	412	388	371	369	422
75°	181	180	177	177	172	197
85°	34	40	44	45	44	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1340.0	1340.0	1340.0	1340.0	1340.0
2.5°	1339.5	1340.0	1336.5	1342.5	1344.0
5°	1336.0	1336.5	1333.1	1338.5	1340.0
7.5°	1329.6	1330.6	1326.6	1332.1	1333.1
10°	1320.2	1320.7	1317.2	1322.6	1323.6
12.5°	1307.2	1307.7	1304.8	1309.7	1309.7
15°	1290.9	1292.4	1288.9	1293.3	1293.8
17.5°	1272.5	1273.0	1269.5	1274.5	1275.5
20°	1250.6	1250.6	1247.7	1251.6	1250.6
22.5°	1226.3	1226.3	1222.8	1224.8	1225.8
25°	1199.5	1198.5	1194.5	1195.5	1193.6
27.5°	1168.7	1168.7	1161.8	1161.8	1158.3
30°	1137.4	1135.0	1127.5	1123.1	1119.6
32.5°	1101.7	1098.2	1088.8	1080.8	1078.4
35°	1061.5	1058.0	1045.6	1036.2	1032.2
37.5°	1022.8	1014.8	998.4	989.0	984.5
40°	977.6	967.7	950.8	937.9	935.9
42.5°	928.9	921.0	899.1	889.7	887.2
45°	877.3	867.9	851.5	841.5	834.1
47.5°	826.6	819.7	800.8	788.9	786.4
50°	773.5	767.6	748.2	735.3	730.8
52.5°	718.4	714.4	698.1	681.7	676.2
55°	661.3	659.3	639.0	620.1	613.7
57.5°	605.2	602.7	577.4	555.6	549.6
60°	546.6	539.2	514.4	494.0	487.5
62.5°	491.0	475.1	448.3	432.4	425.0
65°	427.5	412.1	388.3	371.4	368.9
67.5°	364.9	346.5	328.2	317.8	309.8
70°	299.9	287.5	273.6	264.6	263.1
72.5°	239.3	230.4	223.4	218.0	213.5
75°	181.2	179.7	177.2	177.2	172.3
77.5°	133.1	136.5	138.5	138.0	139.0
80°	92.3	99.3	103.3	103.8	103.3
82.5°	58.6	66.5	73.0	74.0	75.0
85°	34.3	40.2	44.2	45.2	44.2
87.5°	15.4	19.4	20.4	21.3	20.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)