

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: P737778

Luminaire Tested: **14PT-30-PP3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737778
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-30-PP3-L850
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

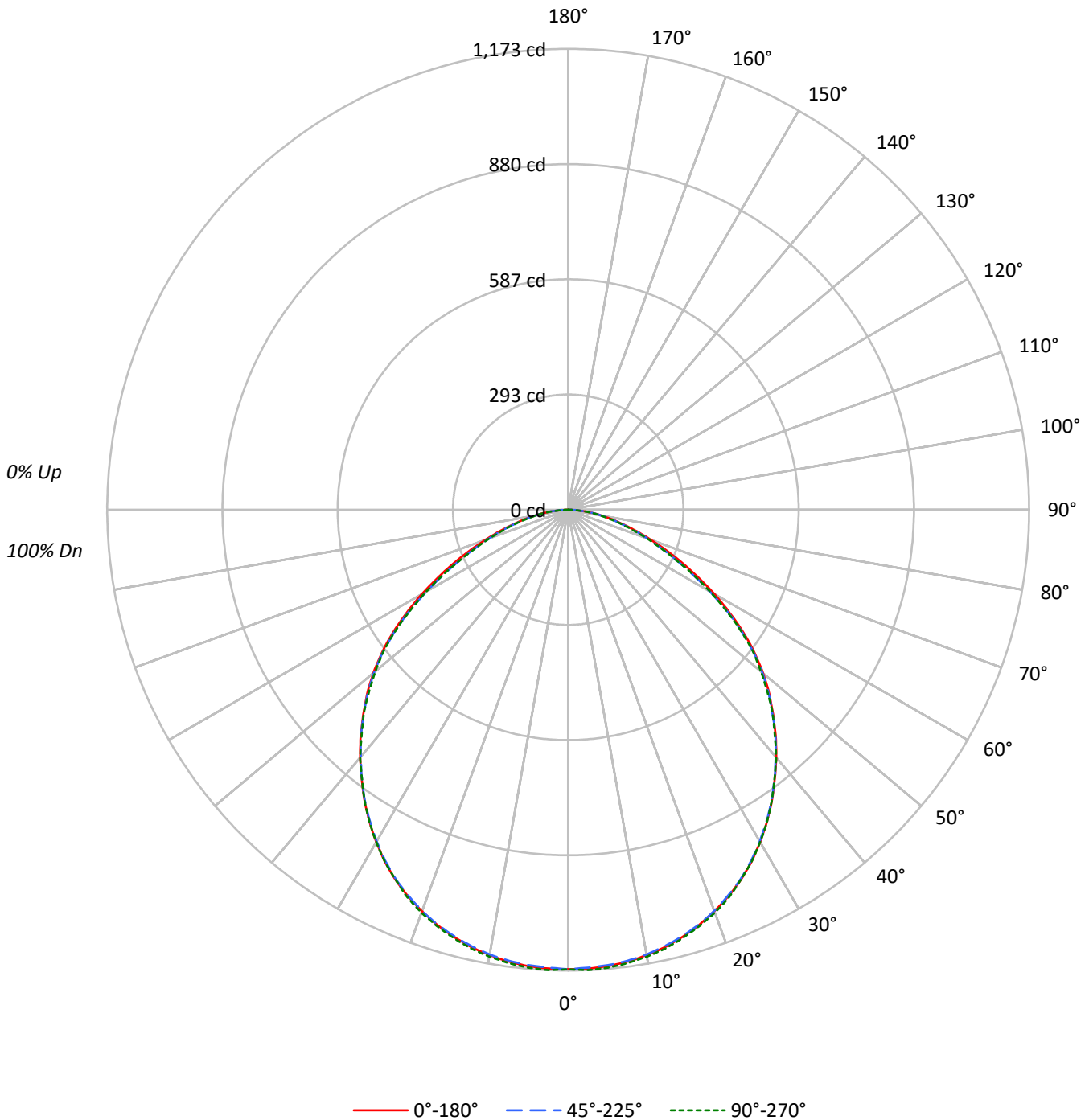
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3022.0 lumens
Efficiency: N/A
Efficacy: 129.1 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): 23.4
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°	3507	3507	3507
5°	3510	3502	3521
10°	3505	3500	3516
15°	3493	3487	3502
20°	3470	3467	3482
25°	3439	3434	3438
30°	3382	3374	3382
35°	3308	3303	3306
40°	3223	3213	3222
45°	3127	3118	3121
50°	3021	3008	2986
55°	2845	2812	2803
60°	2581	2494	2500
65°	2268	2153	2150
70°	1961	1871	1850
75°	1697	1632	1599
80°	1502	1481	1414
85°	1242	1287	1211



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.9	3.7
10°-20°	317.8	10.5
20°-30°	478.4	15.8
30°-40°	564.6	18.7
40°-50°	567.9	18.8
50°-60°	479.4	15.9
60°-70°	307.9	10.2
70°-80°	153.1	5.1
80°-90°	42.0	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°	907.1	30.0
0°-40°	1471.7	48.7
0°-60°	2519.0	83.4
0°-90°	3022.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3022.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1170	1170	1170	1170	1170	
5°	1166	1167	1164	1169	1170	111
15°	1125	1126	1123	1128	1128	318
25°	1040	1040	1038	1040	1039	478
35°	904	904	902	903	903	565
45°	737	740	735	736	736	569
55°	544	544	538	536	536	484
65°	320	315	304	301	303	319
75°	146	146	141	140	138	158
85°	36	37	37	35	35	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1169.6	1169.6	1169.6	1169.6	1169.6
2.5°	1169.2	1169.6	1166.6	1172.1	1173.0
5°	1166.2	1166.6	1163.6	1169.2	1170.0
7.5°	1160.2	1160.7	1158.1	1163.2	1164.1
10°	1151.3	1152.6	1149.6	1154.3	1155.1
12.5°	1140.3	1140.7	1137.7	1143.3	1144.1
15°	1125.4	1125.9	1123.3	1128.4	1128.4
17.5°	1108.4	1108.9	1107.2	1111.4	1111.0
20°	1087.6	1088.9	1086.8	1089.8	1091.5
22.5°	1065.1	1065.6	1063.0	1066.8	1068.5
25°	1039.7	1040.1	1038.0	1040.1	1039.2
27.5°	1010.0	1010.8	1007.8	1010.0	1010.4
30°	976.8	979.0	974.7	976.4	976.8
32.5°	941.2	942.5	939.5	939.9	942.0
35°	903.8	904.2	902.5	903.4	903.4
37.5°	863.5	865.2	862.6	863.9	862.2
40°	823.6	821.9	821.0	821.9	823.2
42.5°	781.6	782.0	780.7	779.9	777.7
45°	737.4	740.0	735.3	736.1	736.1
47.5°	694.1	694.5	692.0	689.4	687.7
50°	647.8	647.8	644.9	642.7	640.2
52.5°	597.3	596.5	593.1	590.9	592.2
55°	544.2	543.8	537.9	535.8	536.2
57.5°	486.1	486.9	478.0	475.9	475.9
60°	430.5	426.2	416.0	413.1	416.9
62.5°	372.3	367.2	356.2	356.2	359.2
65°	319.7	315.0	303.5	300.6	303.1
67.5°	270.4	266.2	255.6	253.9	254.7
70°	223.7	219.9	213.5	209.7	211.0
72.5°	183.4	180.0	175.8	172.8	171.1
75°	146.5	145.6	140.9	139.7	138.0
77.5°	115.9	115.5	111.7	110.0	108.3
80°	87.0	86.6	85.8	83.2	81.9
82.5°	62.0	62.0	61.6	59.4	58.2
85°	36.1	37.4	37.4	35.2	35.2
87.5°	14.4	15.3	14.4	14.4	14.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)