

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: P737769

Luminaire Tested: **14PT-30-PL1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-30-PL1-L840
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

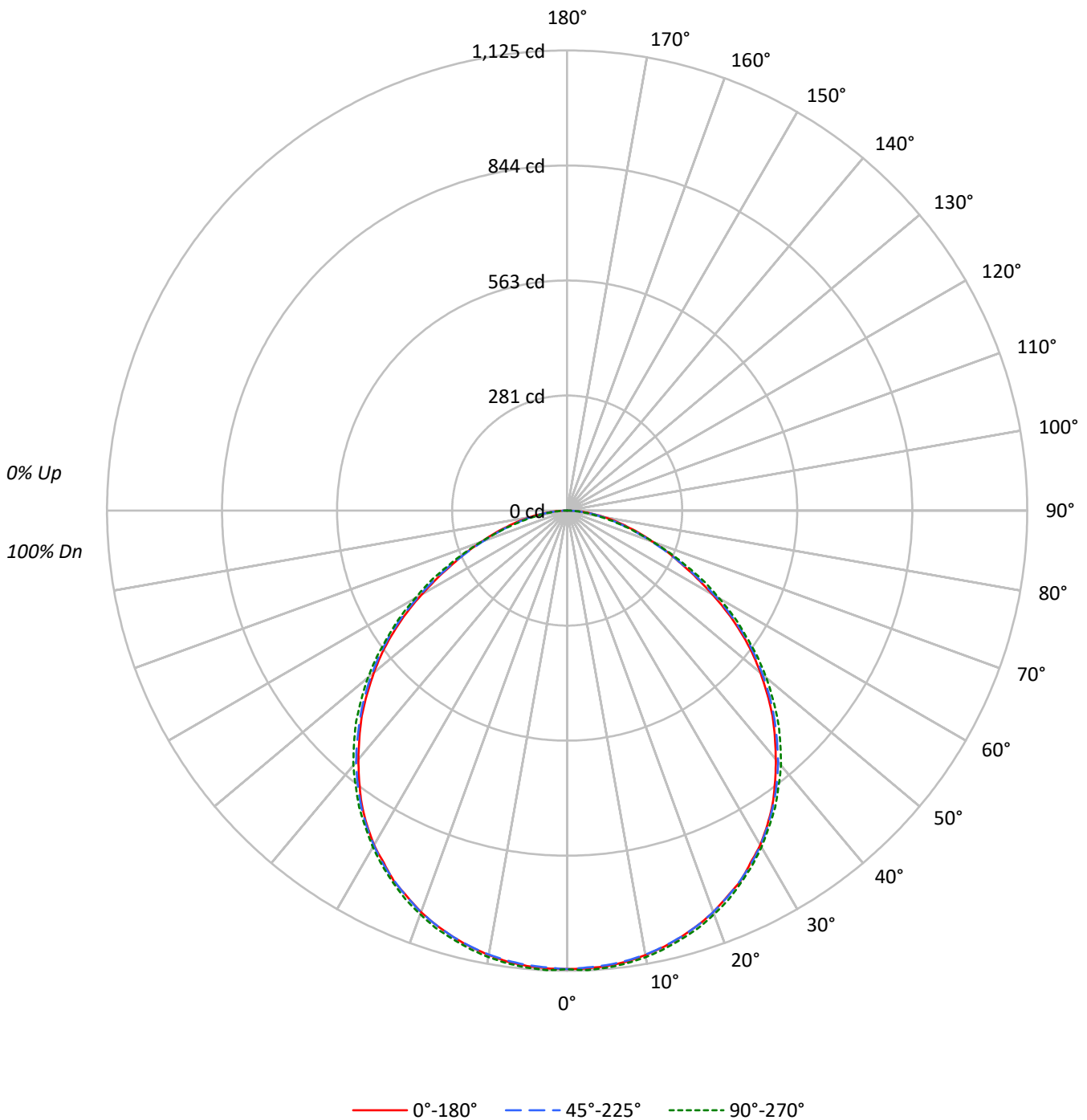
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2955.0 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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 (Ain): 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	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3361	3361	3361
5°	3364	3357	3376
10°	3359	3356	3375
15°	3349	3348	3365
20°	3333	3333	3351
25°	3310	3306	3324
30°	3268	3273	3288
35°	3206	3218	3244
40°	3106	3142	3183
45°	3009	3034	3092
50°	2877	2908	2966
55°	2709	2753	2785
60°	2458	2511	2572
65°	2184	2207	2295
70°	1951	1912	1959
75°	1761	1660	1626
80°	1599	1485	1319
85°	1359	1228	1056



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	3.6
10°-20°	305.0	10.3
20°-30°	461.3	15.6
30°-40°	549.9	18.6
40°-50°	553.0	18.7
50°-60°	469.3	15.9
60°-70°	312.5	10.6
70°-80°	156.0	5.3
80°-90°	41.7	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°	872.7	29.5
0°-40°	1422.5	48.1
0°-60°	2444.8	82.7
0°-90°	2955.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2955.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1121	1121	1121	1121	1121	
5°	1118	1118	1116	1121	1122	106
15°	1079	1080	1079	1083	1084	304
25°	1000	1000	999	1004	1005	460
35°	876	877	879	886	886	546
45°	710	711	716	725	729	546
55°	518	522	527	532	533	462
65°	308	310	311	316	324	308
75°	152	150	143	140	140	163
85°	40	39	36	34	31	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1121.0	1121.0	1121.0	1121.0	1121.0
2.5°	1120.2	1121.0	1118.1	1123.5	1124.7
5°	1117.7	1118.1	1115.6	1120.6	1121.8
7.5°	1112.3	1112.7	1110.2	1115.6	1116.4
10°	1103.5	1104.4	1102.3	1107.3	1108.5
12.5°	1092.3	1093.6	1091.5	1096.9	1097.7
15°	1079.0	1080.3	1078.6	1083.2	1084.0
17.5°	1062.8	1063.7	1062.8	1067.0	1069.5
20°	1044.6	1044.6	1044.6	1048.3	1050.4
22.5°	1021.7	1023.8	1023.0	1028.0	1030.0
25°	1000.5	1000.5	999.3	1003.9	1004.7
27.5°	971.1	974.4	974.0	978.1	978.9
30°	944.1	944.9	945.3	948.2	949.9
32.5°	911.2	912.1	913.3	917.5	917.9
35°	875.9	876.8	879.3	885.5	886.3
37.5°	834.8	839.4	841.5	848.1	848.9
40°	793.7	796.6	802.8	809.9	813.2
42.5°	751.8	755.1	758.8	768.4	771.3
45°	709.8	711.1	715.6	725.2	729.3
47.5°	663.3	667.0	671.2	679.5	682.0
50°	616.8	620.9	623.4	630.9	635.9
52.5°	569.8	573.6	576.5	581.1	586.0
55°	518.3	522.1	526.6	531.6	532.9
57.5°	466.0	470.2	473.1	478.5	483.9
60°	409.9	414.5	418.7	423.6	429.0
62.5°	357.6	359.7	363.8	372.1	380.0
65°	307.8	310.3	311.1	315.7	323.5
67.5°	266.2	266.2	262.5	264.2	272.9
70°	222.6	221.0	218.1	216.4	223.5
72.5°	187.3	185.2	179.0	176.1	179.8
75°	152.0	149.9	143.3	140.0	140.4
77.5°	122.1	118.8	113.4	107.6	106.3
80°	92.6	91.4	86.0	80.6	76.4
82.5°	65.6	62.7	59.8	56.5	53.2
85°	39.5	38.6	35.7	33.6	30.7
87.5°	16.2	16.2	15.4	14.5	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)