

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: P738049

Luminaire Tested: **22PT-20-PL1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PL1-L840
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

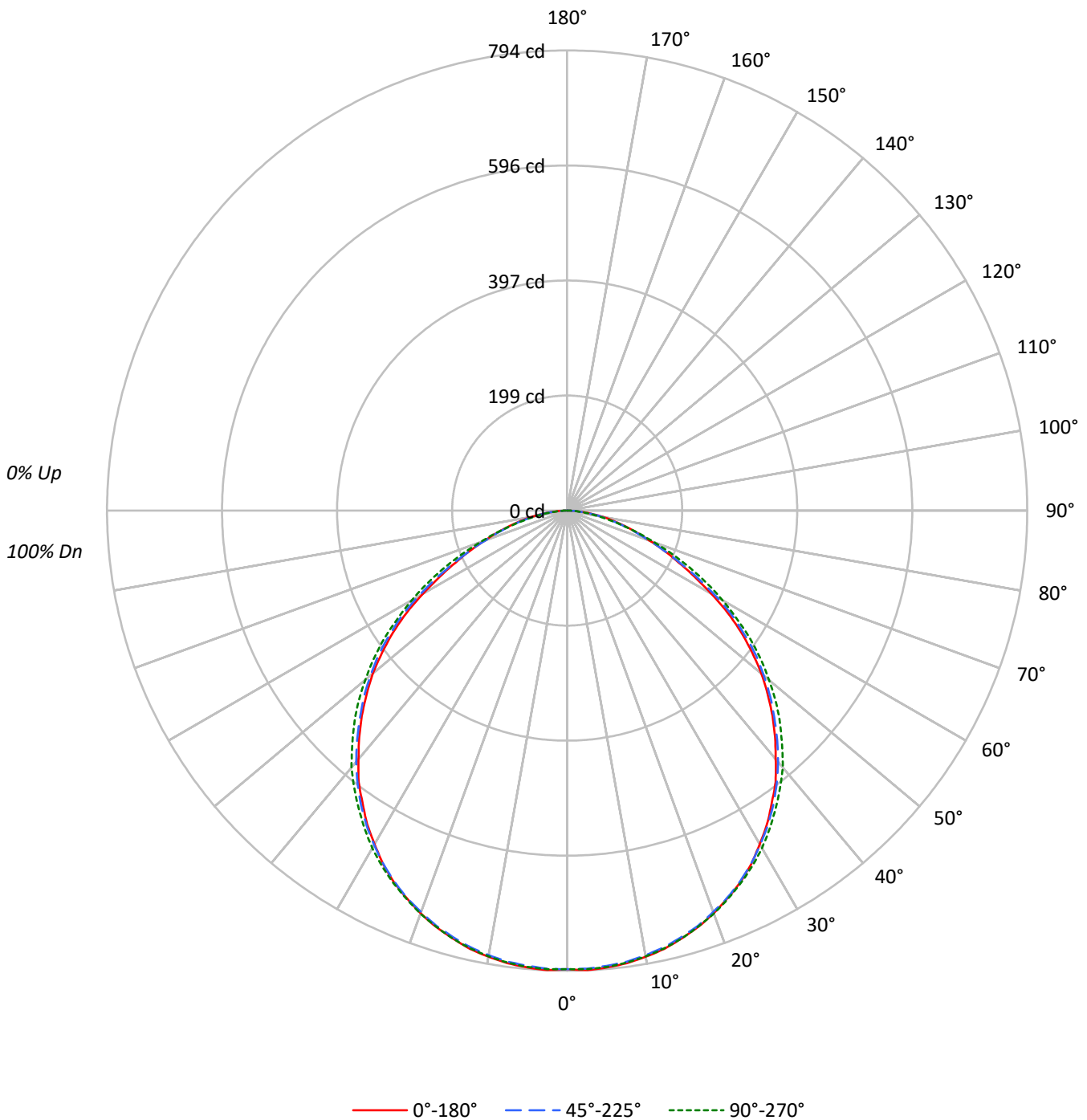
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2085.0 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 14.8
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	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	50	75	64	55	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	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	31	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°	2319	2319	2319
5°	2328	2319	2325
10°	2326	2318	2324
15°	2318	2311	2319
20°	2306	2298	2308
25°	2287	2283	2292
30°	2249	2254	2275
35°	2202	2217	2243
40°	2142	2166	2215
45°	2076	2094	2153
50°	1994	2018	2073
55°	1872	1910	1969
60°	1684	1740	1814
65°	1475	1505	1618
70°	1294	1283	1366
75°	1165	1115	1120
80°	1044	989	882
85°	827	817	672



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	3.6
10°-20°	215.2	10.3
20°-30°	325.5	15.6
30°-40°	388.1	18.6
40°-50°	391.9	18.8
50°-60°	334.3	16.0
60°-70°	219.7	10.5
70°-80°	107.6	5.2
80°-90°	27.7	1.3
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°	615.8	29.5
0°-40°	1003.9	48.1
0°-60°	1730.0	83.0
0°-90°	2085.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2085.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	791	791	791	791	791	
5°	791	790	788	788	790	75
15°	764	763	762	762	764	216
25°	708	706	706	707	709	325
35°	616	617	620	624	627	385
45°	501	502	505	515	520	386
55°	366	368	374	382	386	326
65°	213	213	217	227	233	213
75°	103	102	98	98	99	110
85°	25	25	24	22	20	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	791.4	791.4	791.4	791.4	791.4
2.5°	793.7	792.0	791.0	790.4	792.0
5°	791.4	789.7	788.4	788.4	790.4
7.5°	787.7	786.0	785.0	784.7	786.7
10°	781.7	779.7	779.0	778.7	781.0
12.5°	774.7	771.7	771.7	771.4	773.7
15°	764.1	762.7	761.7	762.1	764.4
17.5°	753.1	751.7	751.1	751.1	752.4
20°	739.4	737.8	737.1	737.8	740.1
22.5°	723.8	722.8	722.8	723.4	725.1
25°	707.5	705.8	706.1	707.1	709.1
27.5°	687.5	687.2	687.2	689.5	691.8
30°	664.8	664.8	666.2	669.5	672.5
32.5°	641.9	641.5	644.2	647.2	650.5
35°	615.6	617.2	619.9	624.2	627.2
37.5°	590.9	590.6	593.9	601.6	603.6
40°	560.0	562.3	566.3	574.0	579.0
42.5°	531.0	532.7	536.3	545.3	548.7
45°	501.0	502.4	505.4	515.4	519.7
47.5°	469.4	471.1	475.4	483.7	488.7
50°	437.5	439.8	442.8	450.8	454.8
52.5°	402.5	405.5	410.8	418.1	421.1
55°	366.5	368.5	373.9	382.5	385.5
57.5°	328.9	330.6	338.2	344.6	346.9
60°	287.3	289.3	297.0	307.0	309.6
62.5°	248.0	249.7	256.3	268.3	272.3
65°	212.7	212.7	217.1	227.1	233.4
67.5°	181.4	180.8	181.4	189.1	195.8
70°	151.1	151.5	149.8	154.5	159.5
72.5°	126.2	126.2	122.8	123.5	127.5
75°	102.9	101.9	98.5	97.9	98.9
77.5°	82.2	80.6	77.9	75.9	73.6
80°	61.9	60.6	58.6	55.6	52.3
82.5°	43.3	41.9	40.6	39.0	35.6
85°	24.6	24.6	24.3	22.3	20.0
87.5°	10.0	9.7	9.3	9.0	8.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)