

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: P738073

Luminaire Tested: **22PT-20-PW1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738073
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PW1-L840
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

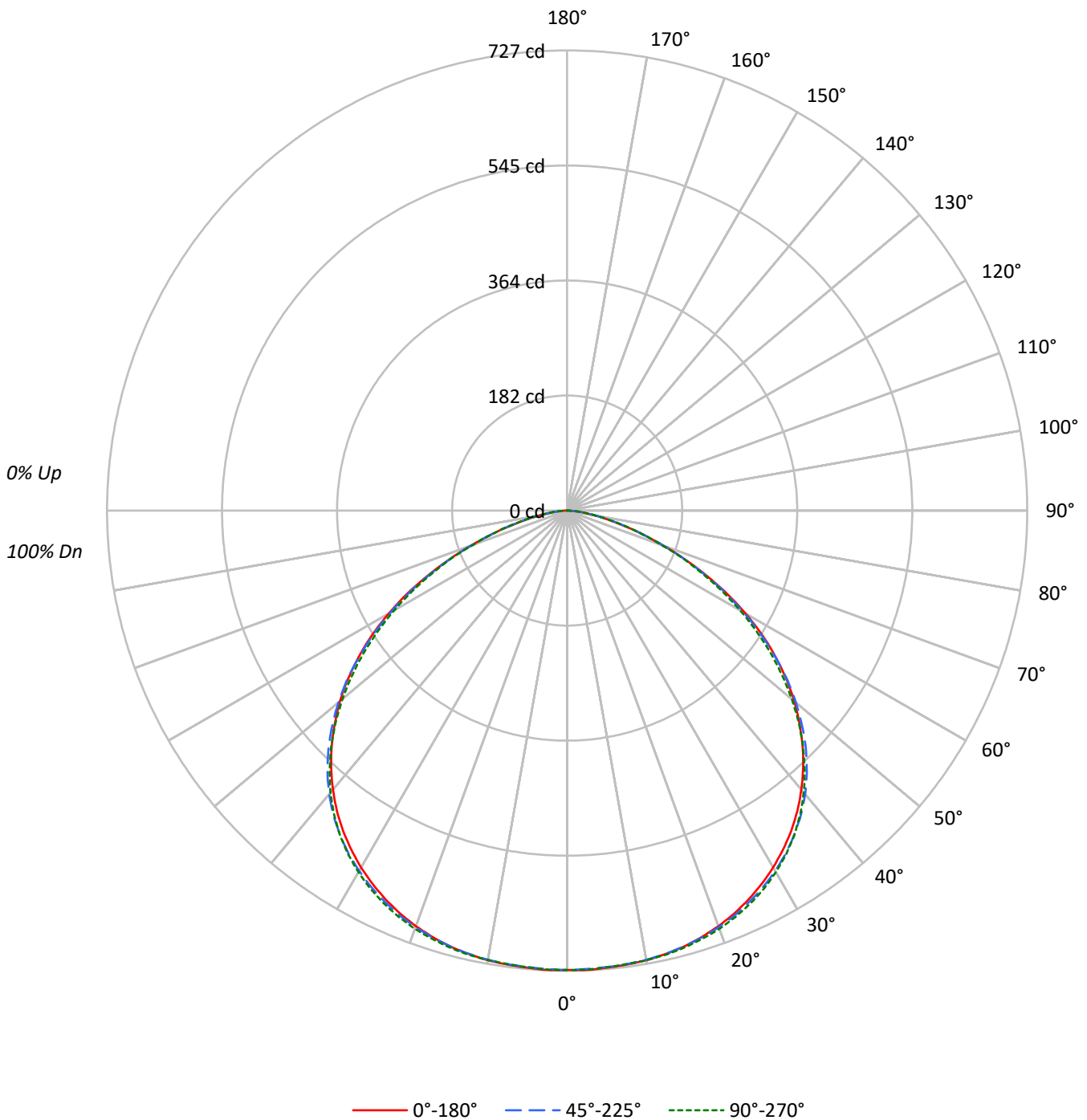
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2098.0 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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 (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	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
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	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2127	2127	2127
5°	2132	2129	2130
10°	2146	2143	2145
15°	2163	2162	2169
20°	2179	2184	2193
25°	2192	2205	2215
30°	2203	2224	2232
35°	2208	2237	2238
40°	2202	2237	2225
45°	2180	2211	2184
50°	2136	2151	2112
55°	2053	2043	2005
60°	1911	1889	1850
65°	1685	1669	1637
70°	1380	1387	1358
75°	1045	1081	1072
80°	758	788	774
85°	498	514	548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	3.3
10°-20°	201.6	9.6
20°-30°	314.3	15.0
30°-40°	389.5	18.6
40°-50°	407.6	19.4
50°-60°	355.2	16.9
60°-70°	237.9	11.3
70°-80°	103.1	4.9
80°-90°	19.8	0.9
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°	584.8	27.9
0°-40°	974.4	46.4
0°-60°	1737.1	82.8
0°-90°	2098.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2098.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	726	726	726	726	726	
5°	725	724	724	724	724	69
15°	713	712	713	714	715	201
25°	678	678	682	684	685	313
35°	617	620	625	626	626	386
45°	526	529	534	529	527	405
55°	402	402	400	396	392	358
65°	243	242	241	238	236	240
75°	92	94	96	95	95	102
85°	15	16	15	16	16	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	725.8	725.8	725.8	725.8	725.8
2.5°	726.6	725.3	725.0	725.0	725.8
5°	725.0	724.2	723.9	723.7	724.2
7.5°	723.5	722.4	722.7	722.2	722.7
10°	721.4	720.4	720.4	720.4	721.1
12.5°	717.7	717.0	717.3	717.7	718.8
15°	713.0	712.0	712.8	713.6	714.9
17.5°	706.6	705.8	707.1	708.4	709.5
20°	698.8	698.0	700.4	702.2	703.3
22.5°	689.2	689.0	692.1	694.2	694.9
25°	678.1	678.3	681.9	684.0	685.0
27.5°	665.3	665.9	670.6	672.4	673.4
30°	651.1	652.4	657.3	658.8	659.7
32.5°	635.0	636.8	642.8	643.8	643.8
35°	617.4	619.7	625.4	626.2	625.7
37.5°	597.7	600.2	606.7	605.7	604.9
40°	575.6	578.4	584.9	582.8	581.6
42.5°	552.0	554.8	560.6	557.5	555.6
45°	526.1	528.9	533.6	529.2	527.1
47.5°	498.0	501.4	503.7	498.8	496.2
50°	468.5	469.5	471.9	466.1	463.3
52.5°	436.3	436.3	438.1	431.9	428.5
55°	401.8	401.5	400.0	395.6	392.5
57.5°	365.2	363.7	362.6	357.9	354.4
60°	326.1	323.7	322.4	318.6	315.7
62.5°	285.1	283.8	282.2	279.1	276.0
65°	243.0	241.7	240.7	238.4	236.1
67.5°	201.3	200.5	200.5	199.0	198.7
70°	161.1	161.6	161.9	161.9	158.5
72.5°	124.8	125.0	126.3	125.3	125.0
75°	92.3	93.9	95.5	94.7	94.7
77.5°	66.4	68.8	68.8	68.2	67.4
80°	44.9	45.9	46.7	46.4	45.9
82.5°	28.6	29.3	28.6	29.0	29.3
85°	14.8	15.8	15.3	15.6	16.3
87.5°	4.9	5.4	5.7	5.4	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)