

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: P738042

Luminaire Tested: **22PT-20-PC3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738042
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PC3-L850
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

Summary

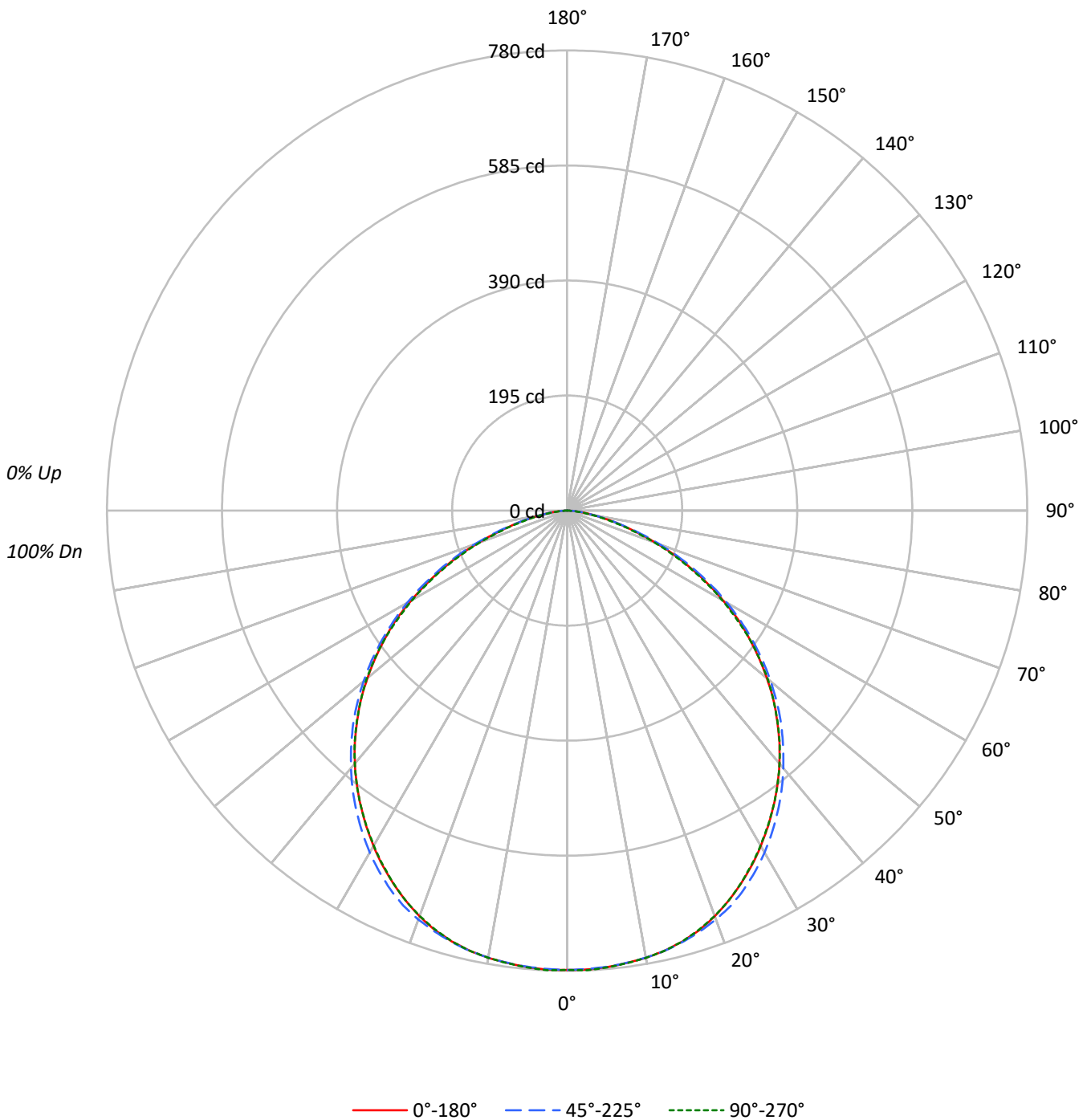
Lumens per Lamp: N/A
Luminaire Lumens: 2092.0 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

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	110	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	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	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	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	48	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°	2282	2282	2282
5°	2285	2283	2286
10°	2290	2289	2290
15°	2293	2296	2292
20°	2282	2300	2280
25°	2255	2292	2253
30°	2222	2265	2218
35°	2183	2227	2183
40°	2142	2180	2142
45°	2086	2127	2089
50°	2014	2054	2022
55°	1921	1959	1921
60°	1791	1836	1780
65°	1607	1664	1587
70°	1375	1424	1335
75°	1091	1122	1035
80°	781	812	744
85°	518	531	484



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	3.5
10°-20°	213.4	10.2
20°-30°	323.8	15.5
30°-40°	386.7	18.5
40°-50°	393.2	18.8
50°-60°	340.1	16.3
60°-70°	234.1	11.2
70°-80°	106.2	5.1
80°-90°	20.6	1.0
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°	611.1	29.2
0°-40°	997.8	47.7
0°-60°	1731.1	82.8
0°-90°	2092.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2092.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	779	779	779	779	779	
5°	777	776	776	776	777	74
15°	756	756	757	756	756	213
25°	698	704	709	702	697	321
35°	610	621	622	620	610	382
45°	503	512	513	513	504	388
55°	376	382	383	383	376	336
65°	232	238	240	238	229	230
75°	96	100	99	98	91	104
85°	15	16	16	15	14	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	778.7	778.7	778.7	778.7	778.7
2.5°	778.7	777.7	777.9	778.2	779.7
5°	776.8	776.0	776.2	776.2	777.3
7.5°	773.5	773.3	773.3	773.0	773.8
10°	769.8	769.3	769.5	769.3	769.8
12.5°	764.1	764.1	764.3	763.6	764.1
15°	755.9	756.4	756.9	755.7	755.7
17.5°	745.5	746.8	748.0	745.8	744.5
20°	731.7	734.7	737.6	734.1	731.2
22.5°	715.6	720.5	725.0	719.5	715.6
25°	697.5	703.7	708.9	702.4	697.0
27.5°	677.9	684.8	689.8	684.4	676.9
30°	656.6	665.0	669.5	664.3	655.6
32.5°	633.9	643.7	646.4	643.2	633.3
35°	610.3	621.2	622.5	620.2	610.3
37.5°	585.8	596.2	597.2	595.9	585.8
40°	560.0	569.7	569.9	569.9	560.0
42.5°	532.6	541.9	541.9	541.7	533.2
45°	503.3	512.5	513.2	512.7	504.1
47.5°	474.3	481.3	482.5	481.5	473.8
50°	441.9	449.0	450.6	449.5	443.6
52.5°	409.6	416.4	417.8	417.1	410.4
55°	376.0	382.4	383.4	382.7	376.0
57.5°	343.6	347.7	348.7	347.3	338.8
60°	305.6	311.6	313.3	311.6	303.7
62.5°	269.0	275.4	276.9	274.4	266.0
65°	231.8	238.2	240.0	238.0	228.9
67.5°	196.7	201.3	202.9	200.7	192.2
70°	160.5	166.5	166.2	163.2	155.8
72.5°	124.9	133.0	131.5	129.8	121.6
75°	96.4	100.0	99.1	98.1	91.4
77.5°	68.9	73.3	70.9	71.1	65.4
80°	46.3	50.5	48.1	47.0	44.1
82.5°	29.5	31.2	30.7	30.2	27.5
85°	15.4	16.3	15.8	15.4	14.4
87.5°	6.0	6.5	6.0	6.0	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)