

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: P738040

Luminaire Tested: **22PT-20-PC3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738040
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-L835
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

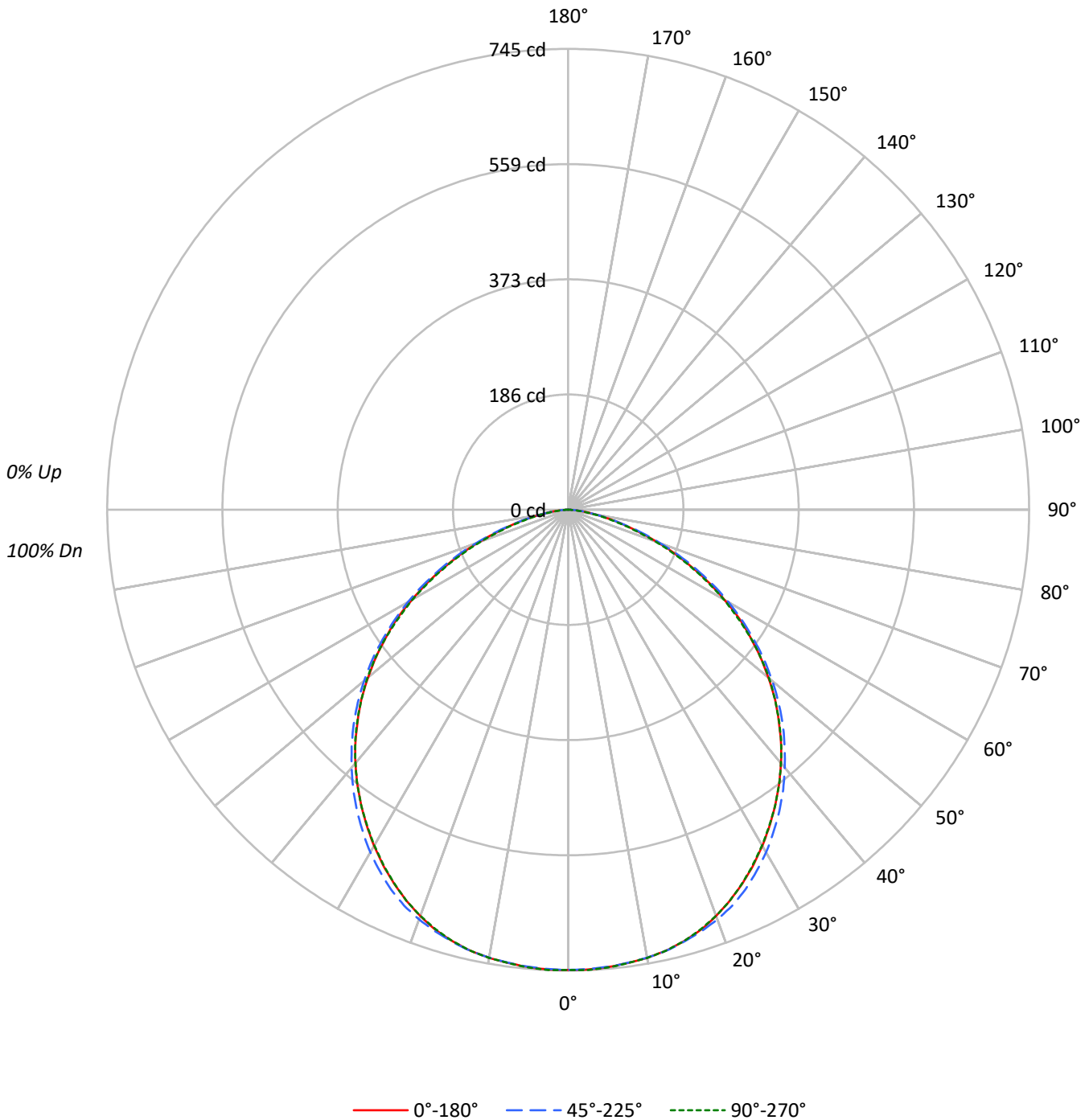
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1999.0 lumens
Efficiency: N/A
Efficacy: 135.1 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

TEST NUMBER: P738040
CATALOG NUMBER: 22PT-20-PC3-L835

Luminous Intensity Polar Plot





TEST NUMBER: P738040

CATALOG NUMBER: 22PT-20-PC3-L835

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°	2180	2180	2180
5°	2183	2182	2184
10°	2189	2188	2189
15°	2191	2194	2190
20°	2180	2198	2179
25°	2155	2190	2153
30°	2123	2164	2120
35°	2086	2128	2086
40°	2047	2083	2047
45°	1993	2032	1996
50°	1925	1962	1932
55°	1835	1871	1835
60°	1711	1755	1701
65°	1536	1590	1516
70°	1314	1360	1275
75°	1043	1072	988
80°	747	774	712
85°	494	508	461



TEST NUMBER: P738040

CATALOG NUMBER: 22PT-20-PC3-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	3.5
10°-20°	203.9	10.2
20°-30°	309.4	15.5
30°-40°	369.5	18.5
40°-50°	375.8	18.8
50°-60°	325.0	16.3
60°-70°	223.7	11.2
70°-80°	101.5	5.1
80°-90°	19.6	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°	583.9	29.2
0°-40°	953.4	47.7
0°-60°	1654.2	82.8
0°-90°	1999.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1999.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	744	744	744	744	744	
5°	742	742	742	742	743	71
15°	722	723	723	722	722	204
25°	666	672	677	671	666	307
35°	583	594	595	593	583	365
45°	481	490	490	490	482	371
55°	359	365	366	366	359	321
65°	222	228	229	228	219	220
75°	92	96	95	94	87	99
85°	15	16	15	15	14	19
90°	0	0	0	0	0	



TEST NUMBER: P738040

CATALOG NUMBER: 22PT-20-PC3-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	744.1	744.1	744.1	744.1	744.1
2.5°	744.1	743.2	743.4	743.6	745.0
5°	742.2	741.5	741.7	741.7	742.7
7.5°	739.1	738.9	738.9	738.7	739.4
10°	735.6	735.1	735.3	735.1	735.6
12.5°	730.2	730.2	730.4	729.7	730.2
15°	722.3	722.8	723.2	722.1	722.1
17.5°	712.4	713.6	714.8	712.6	711.4
20°	699.1	702.0	704.8	701.5	698.7
22.5°	683.7	688.5	692.8	687.5	683.7
25°	666.5	672.4	677.4	671.2	666.0
27.5°	647.8	654.4	659.1	653.9	646.8
30°	627.4	635.5	639.7	634.8	626.5
32.5°	605.7	615.1	617.7	614.6	605.1
35°	583.2	593.6	594.8	592.7	583.2
37.5°	559.7	569.7	570.6	569.4	559.7
40°	535.1	544.3	544.6	544.6	535.1
42.5°	508.9	517.8	517.8	517.6	509.5
45°	480.9	489.7	490.4	489.9	481.7
47.5°	453.2	459.9	461.0	460.1	452.8
50°	422.2	429.1	430.5	429.5	423.9
52.5°	391.4	397.9	399.3	398.5	392.2
55°	359.3	365.4	366.3	365.7	359.3
57.5°	328.3	332.3	333.2	331.8	323.8
60°	292.0	297.8	299.4	297.8	290.2
62.5°	257.1	263.2	264.6	262.2	254.2
65°	221.5	227.6	229.3	227.5	218.7
67.5°	187.9	192.4	193.9	191.7	183.6
70°	153.4	159.1	158.8	155.9	148.8
72.5°	119.3	127.1	125.7	124.0	116.2
75°	92.1	95.6	94.7	93.7	87.3
77.5°	65.8	70.0	67.7	67.9	62.5
80°	44.3	48.3	45.9	44.9	42.2
82.5°	28.1	29.8	29.3	28.9	26.3
85°	14.7	15.6	15.1	14.7	13.7
87.5°	5.7	6.2	5.7	5.7	5.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)