

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: P738032

Luminaire Tested: **22PT-20-PB1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738032
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PB1-L835
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

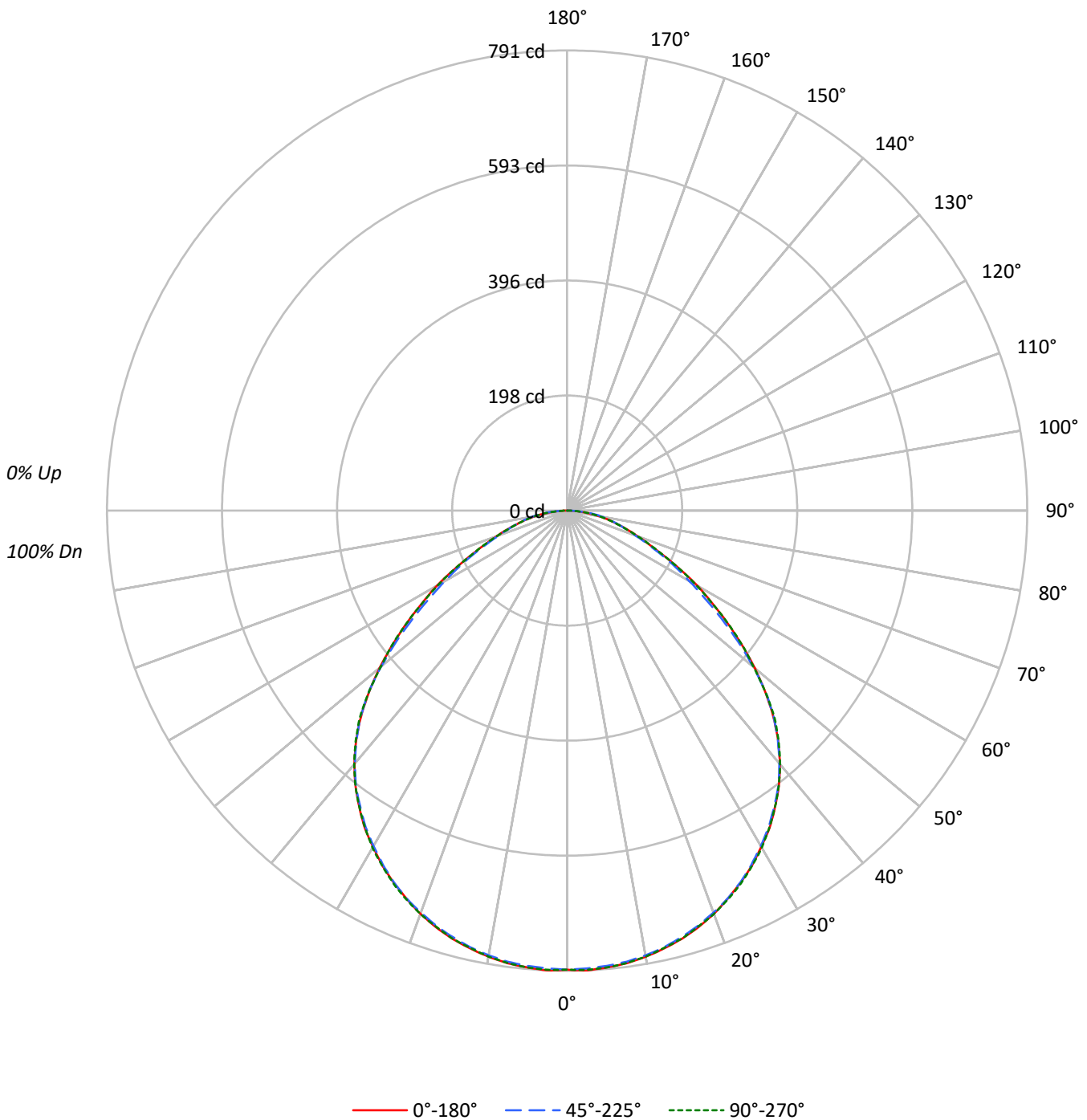
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1990.0 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 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 (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	110	105	101	98	107	103	99	96	99	96	93		95	92	90		91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67		75	70	65		72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57		67	61	57		65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50		61	54	50		59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44		55	49	44		54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39		50	44	39		49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35		46	40	35		45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32		43	36	32		42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29		40	33	29		39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2313	2313	2313
5°	2319	2311	2319
10°	2317	2309	2316
15°	2311	2303	2311
20°	2300	2293	2301
25°	2281	2279	2286
30°	2258	2253	2264
35°	2228	2219	2228
40°	2176	2171	2178
45°	2078	2082	2090
50°	1919	1903	1906
55°	1714	1657	1721
60°	1514	1422	1504
65°	1268	1228	1268
70°	1099	1069	1105
75°	1003	1017	1003
80°	942	1023	947
85°	820	1002	840



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.8	3.8
10°-20°	214.6	10.8
20°-30°	325.0	16.3
30°-40°	388.7	19.5
40°-50°	384.9	19.3
50°-60°	295.9	14.9
60°-70°	180.2	9.1
70°-80°	95.4	4.8
80°-90°	30.5	1.5
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°	614.5	30.9
0°-40°	1003.2	50.4
0°-60°	1683.9	84.6
0°-90°	1990.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1990.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	789	789	789	789	789	
5°	788	788	786	787	788	75
15°	762	761	759	761	762	215
25°	706	705	705	706	707	325
35°	623	622	620	622	623	389
45°	502	502	502	503	504	385
55°	336	331	324	330	337	301
65°	183	178	177	177	183	185
75°	89	89	90	89	89	95
85°	24	28	30	28	25	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	789.3	789.3	789.3	789.3	789.3
2.5°	791.2	789.9	787.7	789.3	790.2
5°	788.3	788.0	785.7	787.0	788.3
7.5°	784.8	783.8	782.2	783.5	784.5
10°	778.7	778.0	776.1	777.7	778.4
12.5°	771.0	770.3	769.1	770.3	770.0
15°	762.0	760.7	759.1	760.7	761.7
17.5°	750.8	749.5	748.2	749.2	749.8
20°	737.6	735.7	735.4	736.7	737.9
22.5°	721.9	721.9	721.6	722.5	723.2
25°	705.5	704.9	704.9	705.9	707.1
27.5°	687.9	686.6	686.0	687.6	688.5
30°	667.4	667.0	665.8	668.3	669.3
32.5°	647.5	644.3	644.9	646.2	646.5
35°	622.8	622.1	620.5	622.4	622.8
37.5°	597.7	597.4	596.5	597.1	597.4
40°	568.9	568.5	567.6	568.9	569.5
42.5°	536.8	536.1	536.1	537.1	538.1
45°	501.5	501.8	502.4	502.8	504.4
47.5°	462.0	462.7	463.3	462.7	463.0
50°	420.9	420.6	417.4	419.7	418.1
52.5°	377.6	372.8	370.3	375.4	378.9
55°	335.6	331.1	324.4	330.1	336.9
57.5°	295.2	287.5	280.4	287.2	293.9
60°	258.3	246.4	242.6	246.7	256.7
62.5°	218.8	210.5	209.2	209.8	218.5
65°	182.9	178.4	177.1	176.8	182.9
67.5°	153.4	150.5	148.9	150.2	154.0
70°	128.3	127.1	124.8	127.1	129.0
72.5°	107.8	107.5	105.6	107.5	106.8
75°	88.6	88.6	89.8	89.2	88.6
77.5°	72.2	72.8	75.1	73.2	71.2
80°	55.8	57.4	60.6	57.8	56.1
82.5°	39.8	43.3	46.8	43.3	41.1
85°	24.4	27.9	29.8	28.2	25.0
87.5°	10.6	12.5	13.2	12.2	10.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)