

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: P738036

Luminaire Tested: **22PT-20-PB1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738036
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-L935
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

Summary

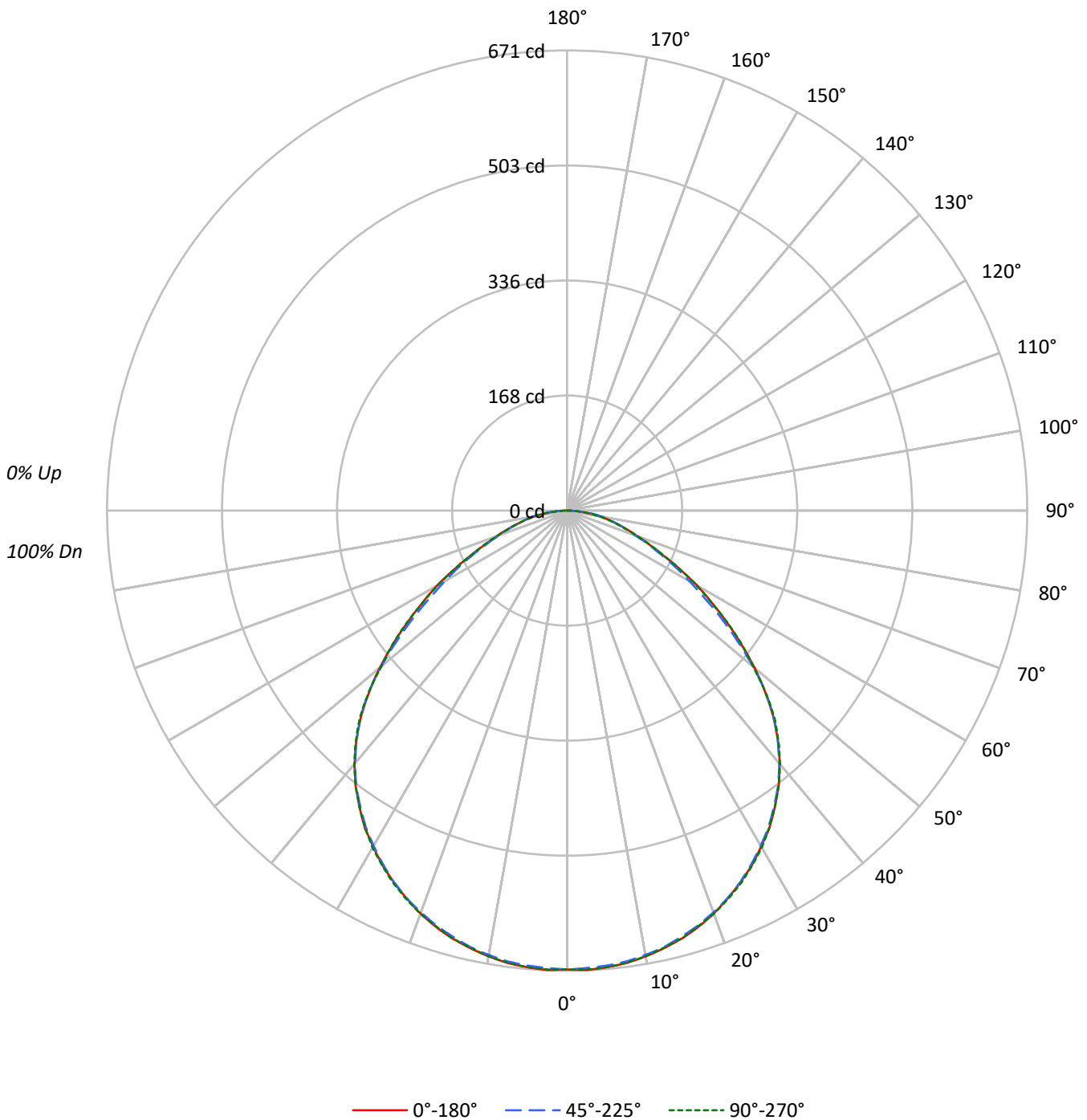
Lumens per Lamp: N/A
Luminaire Lumens: 1687.0 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 14.8
Input Voltage (V): NR
Input Current (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	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°	1961	1961	1961
5°	1966	1959	1966
10°	1964	1957	1963
15°	1960	1952	1959
20°	1950	1944	1951
25°	1934	1932	1938
30°	1914	1910	1920
35°	1888	1881	1888
40°	1844	1841	1847
45°	1762	1765	1772
50°	1627	1613	1615
55°	1453	1405	1459
60°	1283	1205	1275
65°	1075	1041	1075
70°	932	906	936
75°	850	863	850
80°	798	867	803
85°	696	851	713



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	3.8
10°-20°	181.9	10.8
20°-30°	275.5	16.3
30°-40°	329.5	19.5
40°-50°	326.3	19.3
50°-60°	250.8	14.9
60°-70°	152.7	9.1
70°-80°	80.9	4.8
80°-90°	25.9	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°	520.9	30.9
0°-40°	850.4	50.4
0°-60°	1427.5	84.6
0°-90°	1687.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1687.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	669	669	669	669	669	
5°	668	668	666	667	668	64
15°	646	645	644	645	646	182
25°	598	598	598	598	600	276
35°	528	527	526	528	528	330
45°	425	425	426	426	428	326
55°	284	281	275	280	286	255
65°	155	151	150	150	155	157
75°	75	75	76	76	75	81
85°	21	24	25	24	21	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	669.1	669.1	669.1	669.1	669.1
2.5°	670.7	669.6	667.7	669.1	669.9
5°	668.3	668.0	666.1	667.2	668.3
7.5°	665.3	664.5	663.1	664.2	665.0
10°	660.1	659.6	657.9	659.3	659.9
12.5°	653.6	653.1	652.0	653.1	652.8
15°	646.0	644.9	643.5	644.9	645.7
17.5°	636.5	635.4	634.3	635.1	635.6
20°	625.3	623.7	623.4	624.5	625.6
22.5°	612.0	612.0	611.7	612.5	613.1
25°	598.1	597.6	597.6	598.4	599.5
27.5°	583.2	582.1	581.5	582.9	583.7
30°	565.7	565.5	564.4	566.6	567.4
32.5°	548.9	546.2	546.7	547.8	548.1
35°	527.9	527.4	526.0	527.7	527.9
37.5°	506.7	506.4	505.6	506.2	506.4
40°	482.2	482.0	481.2	482.2	482.8
42.5°	455.0	454.5	454.5	455.3	456.1
45°	425.1	425.4	425.9	426.2	427.6
47.5°	391.7	392.2	392.8	392.2	392.5
50°	356.9	356.6	353.9	355.8	354.4
52.5°	320.1	316.1	313.9	318.2	321.2
55°	284.5	280.7	275.0	279.9	285.6
57.5°	250.2	243.7	237.7	243.4	249.1
60°	219.0	208.9	205.6	209.2	217.6
62.5°	185.5	178.4	177.3	177.9	185.2
65°	155.0	151.2	150.1	149.9	155.0
67.5°	130.0	127.6	126.2	127.3	130.6
70°	108.8	107.7	105.8	107.7	109.3
72.5°	91.4	91.1	89.5	91.1	90.6
75°	75.1	75.1	76.2	75.6	75.1
77.5°	61.2	61.7	63.6	62.0	60.4
80°	47.3	48.7	51.4	49.0	47.6
82.5°	33.7	36.7	39.7	36.7	34.8
85°	20.7	23.7	25.3	23.9	21.2
87.5°	9.0	10.6	11.2	10.3	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)