

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: P738078

Luminaire Tested: **22PT-20-PW1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738078
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-L950
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

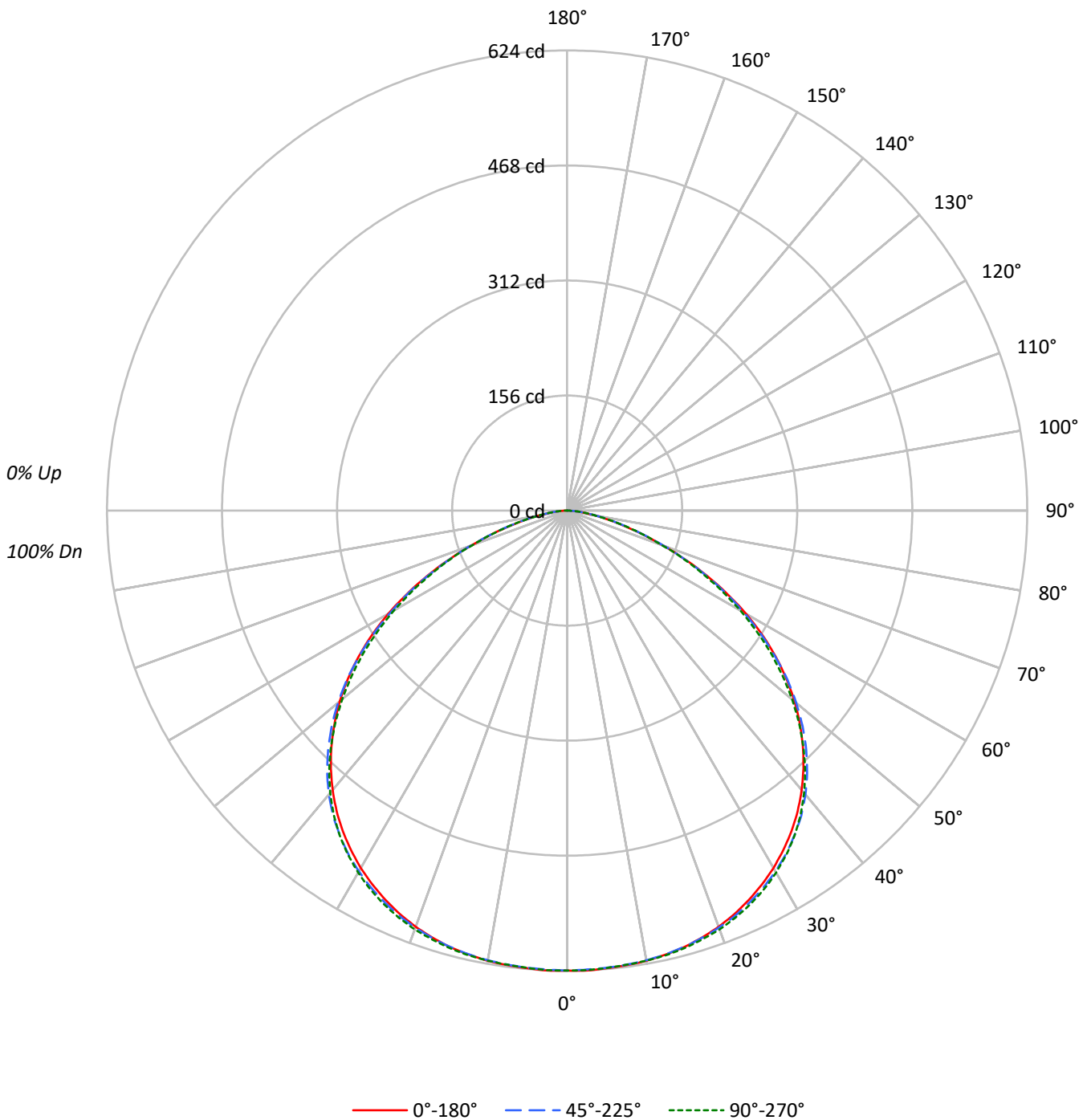
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1803.0 lumens
Efficiency: N/A
Efficacy: 121.8 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 (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	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	83	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°	1828	1828	1828
5°	1832	1830	1831
10°	1845	1842	1844
15°	1859	1858	1864
20°	1873	1877	1885
25°	1884	1895	1903
30°	1893	1911	1918
35°	1898	1923	1923
40°	1892	1923	1912
45°	1873	1900	1877
50°	1835	1848	1815
55°	1764	1756	1723
60°	1642	1624	1590
65°	1448	1434	1407
70°	1187	1192	1167
75°	899	928	922
80°	651	677	667
85°	427	444	471



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.3	3.3
10°-20°	173.2	9.6
20°-30°	270.1	15.0
30°-40°	334.7	18.6
40°-50°	350.3	19.4
50°-60°	305.2	16.9
60°-70°	204.5	11.3
70°-80°	88.6	4.9
80°-90°	17.1	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°	502.6	27.9
0°-40°	837.4	46.4
0°-60°	1492.8	82.8
0°-90°	1803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1803.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	624	624	624	624	624	
5°	623	622	622	622	622	59
15°	613	612	613	613	614	173
25°	583	583	586	588	589	269
35°	531	532	538	538	538	332
45°	452	454	459	455	453	348
55°	345	345	344	340	337	307
65°	209	208	207	205	203	207
75°	79	81	82	81	81	87
85°	13	14	13	13	14	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	623.8	623.8	623.8	623.8	623.8
2.5°	624.4	623.3	623.0	623.0	623.8
5°	623.0	622.4	622.2	622.0	622.4
7.5°	621.7	620.8	621.1	620.6	621.1
10°	620.0	619.1	619.1	619.1	619.7
12.5°	616.8	616.2	616.4	616.8	617.7
15°	612.8	611.9	612.6	613.3	614.4
17.5°	607.2	606.6	607.7	608.8	609.7
20°	600.6	599.9	601.9	603.5	604.4
22.5°	592.3	592.1	594.8	596.5	597.2
25°	582.7	582.9	586.1	587.8	588.7
27.5°	571.8	572.2	576.3	577.8	578.7
30°	559.6	560.6	564.9	566.2	566.9
32.5°	545.7	547.3	552.4	553.3	553.3
35°	530.6	532.5	537.5	538.1	537.7
37.5°	513.6	515.8	521.4	520.5	519.9
40°	494.7	497.1	502.7	500.9	499.8
42.5°	474.4	476.8	481.7	479.1	477.5
45°	452.1	454.5	458.6	454.8	453.0
47.5°	428.0	430.9	432.9	428.7	426.4
50°	402.6	403.5	405.5	400.6	398.1
52.5°	374.9	374.9	376.5	371.1	368.2
55°	345.3	345.1	343.8	340.0	337.3
57.5°	313.9	312.5	311.6	307.6	304.5
60°	280.2	278.2	277.1	273.8	271.3
62.5°	245.0	243.9	242.5	239.9	237.2
65°	208.9	207.7	206.9	204.9	202.9
67.5°	173.0	172.3	172.3	171.0	170.8
70°	138.5	138.9	139.1	139.1	136.2
72.5°	107.2	107.5	108.6	107.7	107.5
75°	79.4	80.7	82.0	81.4	81.4
77.5°	57.1	59.1	59.1	58.6	58.0
80°	38.6	39.5	40.1	39.9	39.5
82.5°	24.5	25.2	24.5	25.0	25.2
85°	12.7	13.6	13.2	13.4	14.0
87.5°	4.2	4.7	4.9	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)