

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: P738070

Luminaire Tested: **22PT-20-PR1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738070
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PR1-L950
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

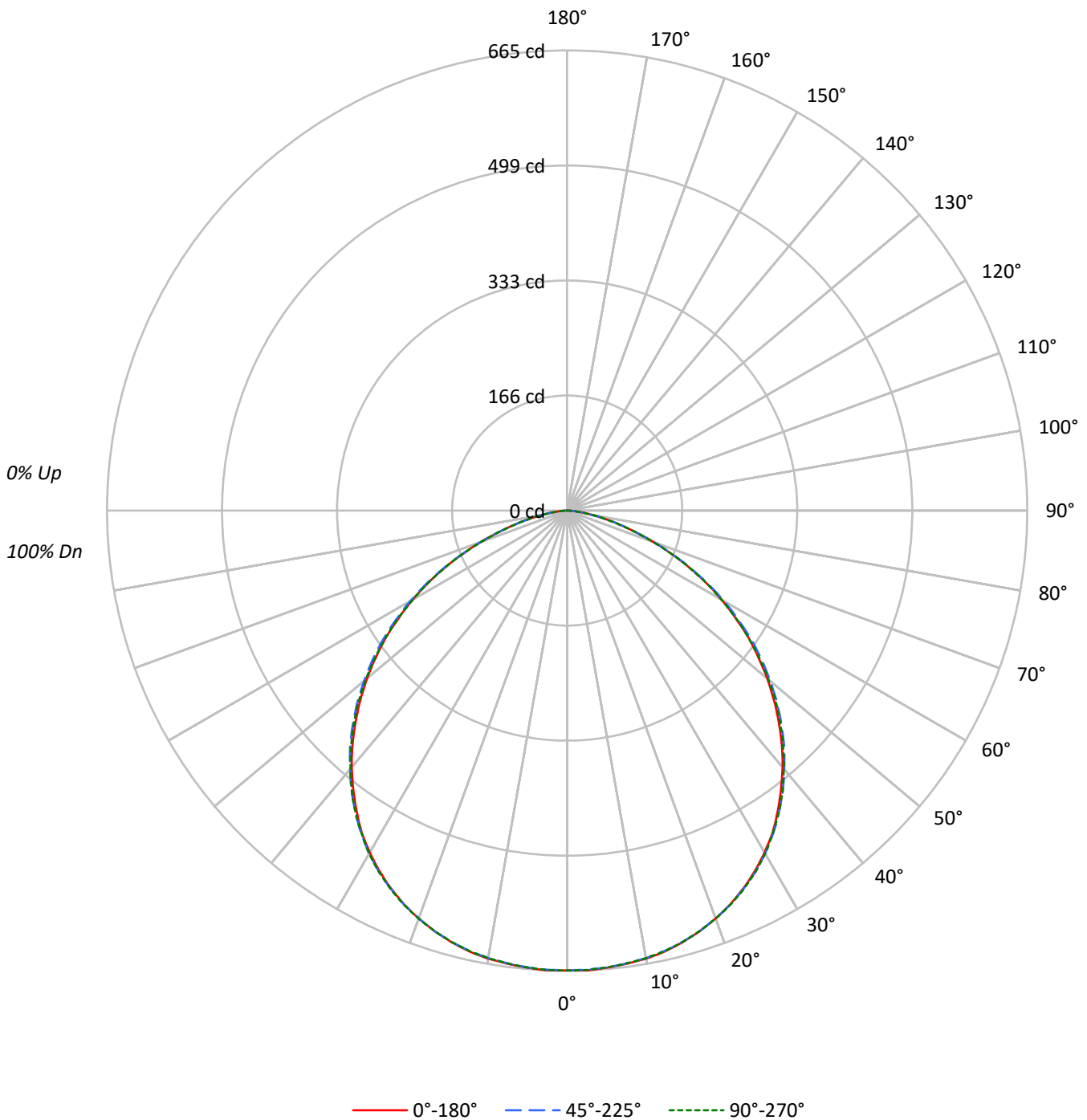
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1776.0 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 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	98	107	103	99	96	99	96	93		95	92	90		91	89	88	85
2	100	92	86	80	98	90	85	80	87	82	78		84	80	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49		60	53	48		58	52	48	46
6	71	58	50	43	70	58	49	43	56	48	43		54	48	43		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	36
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	31		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1947	1947	1947
5°	1950	1949	1949
10°	1957	1954	1954
15°	1959	1957	1957
20°	1956	1955	1957
25°	1948	1950	1951
30°	1930	1936	1937
35°	1898	1908	1907
40°	1853	1866	1864
45°	1793	1815	1806
50°	1720	1746	1732
55°	1633	1659	1635
60°	1513	1534	1508
65°	1351	1364	1348
70°	1136	1136	1128
75°	890	890	881
80°	651	645	641
85°	424	424	434



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.0	3.6
10°-20°	182.1	10.3
20°-30°	277.8	15.6
30°-40°	333.0	18.7
40°-50°	336.3	18.9
50°-60°	287.7	16.2
60°-70°	194.0	10.9
70°-80°	85.6	4.8
80°-90°	16.4	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°	523.0	29.4
0°-40°	856.0	48.2
0°-60°	1480.0	83.3
0°-90°	1776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1776.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	665	665	665	665	665	
5°	663	662	663	662	663	63
15°	646	646	645	645	645	182
25°	602	603	603	603	604	278
35°	530	534	533	533	533	332
45°	433	436	438	438	436	333
55°	320	322	325	324	320	285
65°	195	196	197	196	194	192
75°	79	79	79	79	78	86
85°	13	13	13	13	13	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	664.6	664.6	664.6	664.6	664.6
2.5°	665.1	664.2	664.0	663.8	664.6
5°	663.1	662.2	662.6	662.2	662.6
7.5°	660.6	659.8	660.0	659.5	660.0
10°	657.6	656.6	656.6	656.2	656.6
12.5°	652.6	652.0	651.7	651.3	652.0
15°	645.7	645.5	645.1	644.9	645.3
17.5°	637.3	636.9	637.3	636.7	637.1
20°	627.3	627.6	627.1	627.3	627.6
22.5°	616.0	616.0	616.2	616.2	616.7
25°	602.5	603.1	603.1	603.1	603.6
27.5°	587.4	588.3	588.9	588.5	588.9
30°	570.5	572.1	572.2	572.1	572.5
32.5°	552.3	553.4	554.0	553.6	553.1
35°	530.5	533.6	533.4	532.9	533.2
37.5°	507.6	510.8	511.8	511.0	511.2
40°	484.5	487.2	487.9	488.1	487.2
42.5°	459.0	462.1	464.6	463.4	462.1
45°	432.6	435.9	438.1	437.5	435.9
47.5°	405.3	408.4	411.5	410.4	408.9
50°	377.3	380.4	383.1	382.6	379.9
52.5°	348.6	352.2	354.6	353.8	350.2
55°	319.6	322.5	324.7	324.2	320.0
57.5°	288.0	291.8	292.9	292.2	289.2
60°	258.2	260.7	261.8	260.9	257.4
62.5°	226.5	228.5	229.4	229.2	226.7
65°	194.8	196.3	196.8	196.3	194.5
67.5°	162.1	164.3	164.6	164.6	162.8
70°	132.6	133.2	132.6	134.3	131.7
72.5°	103.9	104.4	103.9	103.9	102.8
75°	78.6	78.8	78.6	78.8	77.8
77.5°	56.8	57.3	56.4	57.1	56.0
80°	38.6	38.6	38.2	38.4	38.0
82.5°	24.0	24.4	23.8	23.8	23.5
85°	12.6	12.6	12.6	12.9	12.9
87.5°	4.4	4.4	4.6	4.6	4.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)