

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: P738046

Luminaire Tested: **22PT-20-PC3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738046
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-L950
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

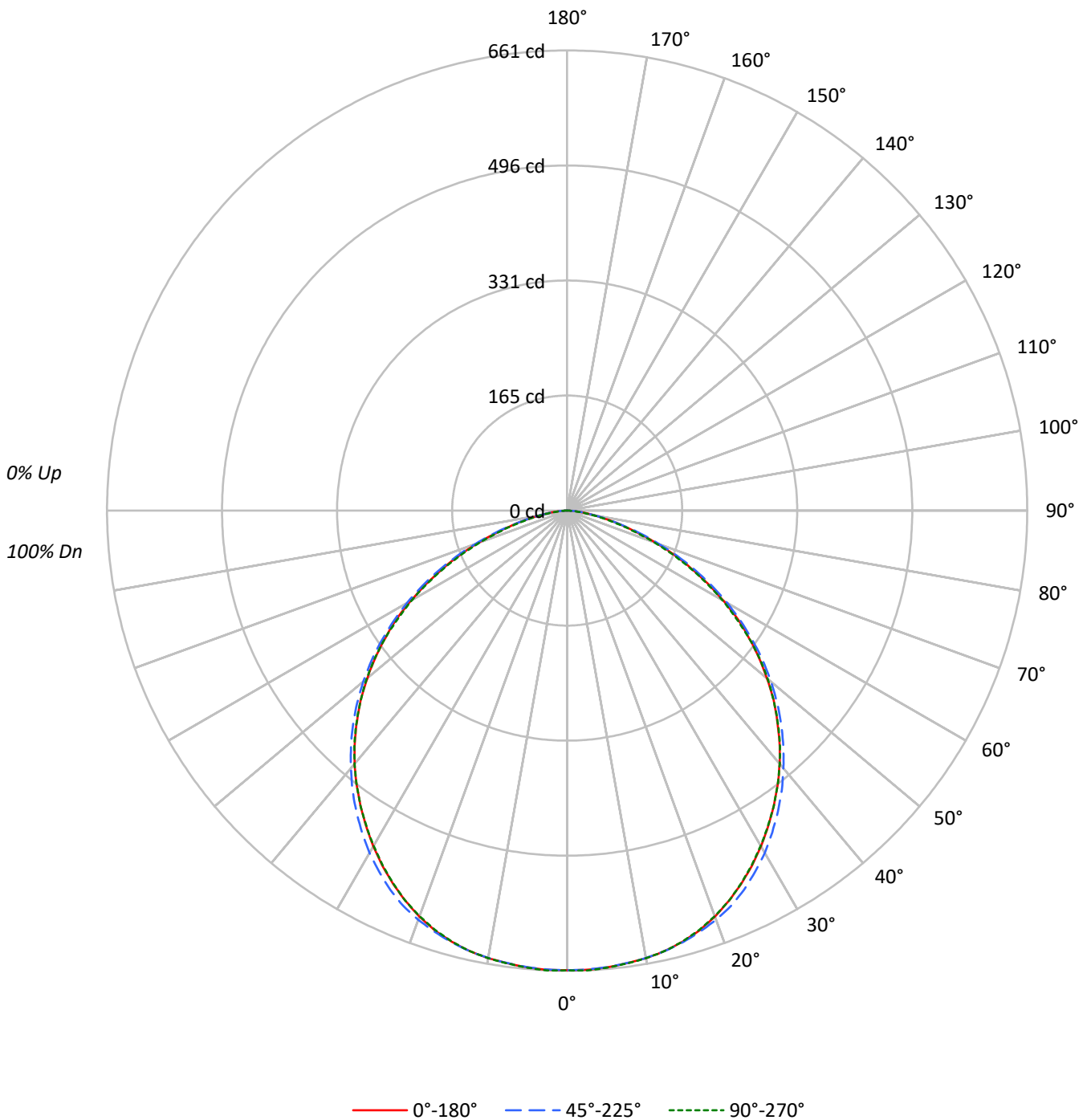
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1774.0 lumens
Efficiency: N/A
Efficacy: 119.9 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

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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	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°	1935	1935	1935
5°	1937	1936	1939
10°	1942	1942	1942
15°	1944	1947	1944
20°	1935	1950	1933
25°	1912	1943	1911
30°	1884	1921	1881
35°	1851	1888	1851
40°	1816	1849	1816
45°	1769	1803	1771
50°	1708	1742	1715
55°	1629	1661	1629
60°	1519	1557	1509
65°	1363	1411	1346
70°	1166	1207	1132
75°	925	951	877
80°	663	688	631
85°	437	450	410



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.7	3.5
10°-20°	181.0	10.2
20°-30°	274.6	15.5
30°-40°	327.9	18.5
40°-50°	333.5	18.8
50°-60°	288.4	16.3
60°-70°	198.5	11.2
70°-80°	90.1	5.1
80°-90°	17.4	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°	518.2	29.2
0°-40°	846.1	47.7
0°-60°	1468.0	82.8
0°-90°	1774.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1774.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	660	660	660	660	660	
5°	659	658	658	658	659	63
15°	641	641	642	641	641	181
25°	592	597	601	596	591	272
35°	518	527	528	526	518	324
45°	427	435	435	435	427	329
55°	319	324	325	324	319	285
65°	197	202	204	202	194	195
75°	82	85	84	83	78	88
85°	13	14	13	13	12	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	660.3	660.3	660.3	660.3	660.3
2.5°	660.3	659.5	659.7	659.9	661.2
5°	658.7	658.0	658.2	658.2	659.1
7.5°	655.9	655.7	655.7	655.5	656.2
10°	652.8	652.4	652.6	652.4	652.8
12.5°	648.0	648.0	648.1	647.6	648.0
15°	641.0	641.4	641.8	640.8	640.8
17.5°	632.2	633.2	634.3	632.4	631.4
20°	620.5	623.0	625.5	622.5	620.0
22.5°	606.8	611.0	614.8	610.1	606.8
25°	591.5	596.7	601.1	595.7	591.1
27.5°	574.9	580.7	584.9	580.3	574.0
30°	556.8	564.0	567.7	563.3	555.9
32.5°	537.5	545.9	548.2	545.5	537.0
35°	517.5	526.8	527.8	526.0	517.5
37.5°	496.7	505.6	506.4	505.3	496.7
40°	474.9	483.1	483.3	483.3	474.9
42.5°	451.6	459.6	459.6	459.3	452.2
45°	426.8	434.6	435.2	434.7	427.4
47.5°	402.2	408.1	409.1	408.3	401.8
50°	374.7	380.8	382.1	381.2	376.2
52.5°	347.4	353.1	354.3	353.7	348.0
55°	318.9	324.3	325.1	324.5	318.9
57.5°	291.3	294.9	295.7	294.5	287.3
60°	259.2	264.2	265.7	264.2	257.5
62.5°	228.1	233.5	234.8	232.7	225.6
65°	196.6	202.0	203.5	201.8	194.1
67.5°	166.8	170.7	172.0	170.2	163.0
70°	136.1	141.2	140.9	138.4	132.1
72.5°	105.9	112.8	111.5	110.1	103.1
75°	81.7	84.8	84.0	83.2	77.5
77.5°	58.4	62.2	60.1	60.3	55.4
80°	39.3	42.8	40.8	39.9	37.4
82.5°	25.0	26.5	26.0	25.6	23.3
85°	13.0	13.8	13.4	13.0	12.2
87.5°	5.1	5.5	5.1	5.1	4.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)