

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: P738060

Luminaire Tested: **22PT-20-PP3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738060
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PP3-L935
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

Summary

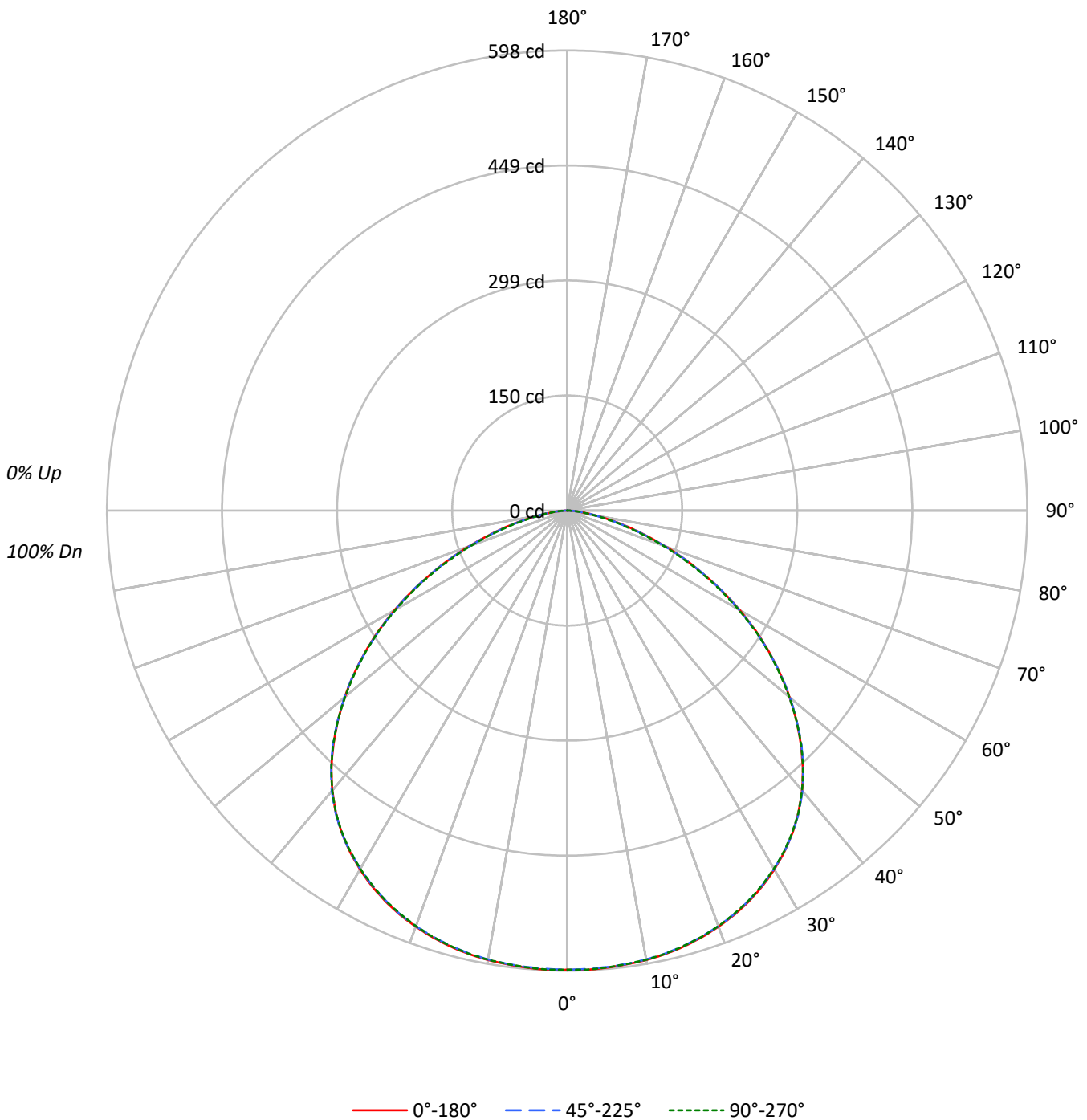
Lumens per Lamp: N/A
Luminaire Lumens: 1712.0 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	98	95	93		95	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	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	84	72	63	57	81	70	62	56	68	61	55		66	60	55		64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	47		57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52	46	41	39
7	66	52	44	38	64	51	43	37	50	43	37		49	42	37		47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	36	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°	1748	1748	1748
5°	1754	1752	1753
10°	1765	1762	1763
15°	1779	1777	1777
20°	1794	1792	1792
25°	1810	1807	1807
30°	1823	1819	1819
35°	1828	1828	1826
40°	1816	1820	1816
45°	1780	1785	1782
50°	1720	1723	1718
55°	1638	1634	1631
60°	1520	1517	1505
65°	1358	1357	1341
70°	1161	1154	1128
75°	925	898	871
80°	660	646	613
85°	427	427	414



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	3.3
10°-20°	165.5	9.7
20°-30°	257.7	15.1
30°-40°	319.0	18.6
40°-50°	330.8	19.3
50°-60°	285.1	16.7
60°-70°	193.8	11.3
70°-80°	86.7	5.1
80°-90°	16.5	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°	480.0	28.0
0°-40°	799.0	46.7
0°-60°	1414.9	82.6
0°-90°	1712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1712.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	597	597	597	597	597	
5°	596	595	596	595	596	57
15°	586	585	586	585	586	166
25°	560	559	559	559	559	258
35°	511	510	511	510	510	319
45°	430	429	431	430	430	331
55°	321	319	320	319	319	286
65°	196	198	196	195	193	194
75°	82	82	79	79	77	88
85°	13	13	13	12	12	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	596.7	596.7	596.7	596.7	596.7
2.5°	597.5	596.3	596.3	596.5	597.1
5°	596.3	595.1	595.5	595.3	595.9
7.5°	594.7	593.7	594.3	593.9	594.3
10°	593.1	592.1	592.3	592.1	592.7
12.5°	590.3	589.1	589.5	589.5	589.8
15°	586.4	585.3	585.7	585.3	585.7
17.5°	581.5	580.4	580.6	580.4	580.8
20°	575.4	574.6	574.8	574.4	574.6
22.5°	568.4	567.4	567.6	567.2	567.2
25°	559.9	559.0	558.9	558.6	558.9
27.5°	549.9	548.9	548.9	548.7	548.7
30°	538.7	537.7	537.7	537.5	537.5
32.5°	525.6	525.2	525.4	525.0	524.8
35°	511.0	510.4	511.0	510.3	510.4
37.5°	494.1	493.3	494.5	493.7	493.9
40°	474.8	474.4	475.8	475.2	474.8
42.5°	453.3	453.3	453.9	454.0	453.7
45°	429.6	429.2	430.7	429.7	430.1
47.5°	404.0	403.5	404.6	404.4	404.3
50°	377.4	376.9	377.9	376.9	376.9
52.5°	349.7	349.4	349.7	348.7	348.4
55°	320.6	319.4	319.8	319.2	319.2
57.5°	290.3	288.9	289.1	288.9	289.1
60°	259.4	259.0	258.8	257.8	256.8
62.5°	227.7	228.1	227.9	226.5	225.5
65°	195.8	197.5	195.7	195.1	193.4
67.5°	165.8	166.3	165.2	163.8	162.0
70°	135.5	136.7	134.7	133.3	131.7
72.5°	106.6	107.4	105.6	104.8	102.8
75°	81.7	81.9	79.3	78.9	76.9
77.5°	58.2	58.9	57.0	57.0	55.0
80°	39.1	40.5	38.3	37.7	36.3
82.5°	24.5	24.7	24.1	23.5	22.9
85°	12.7	13.1	12.7	12.3	12.3
87.5°	4.8	5.0	4.8	4.6	4.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)