

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: P738062

Luminaire Tested: **22PT-20-PP3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738062
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-L950
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

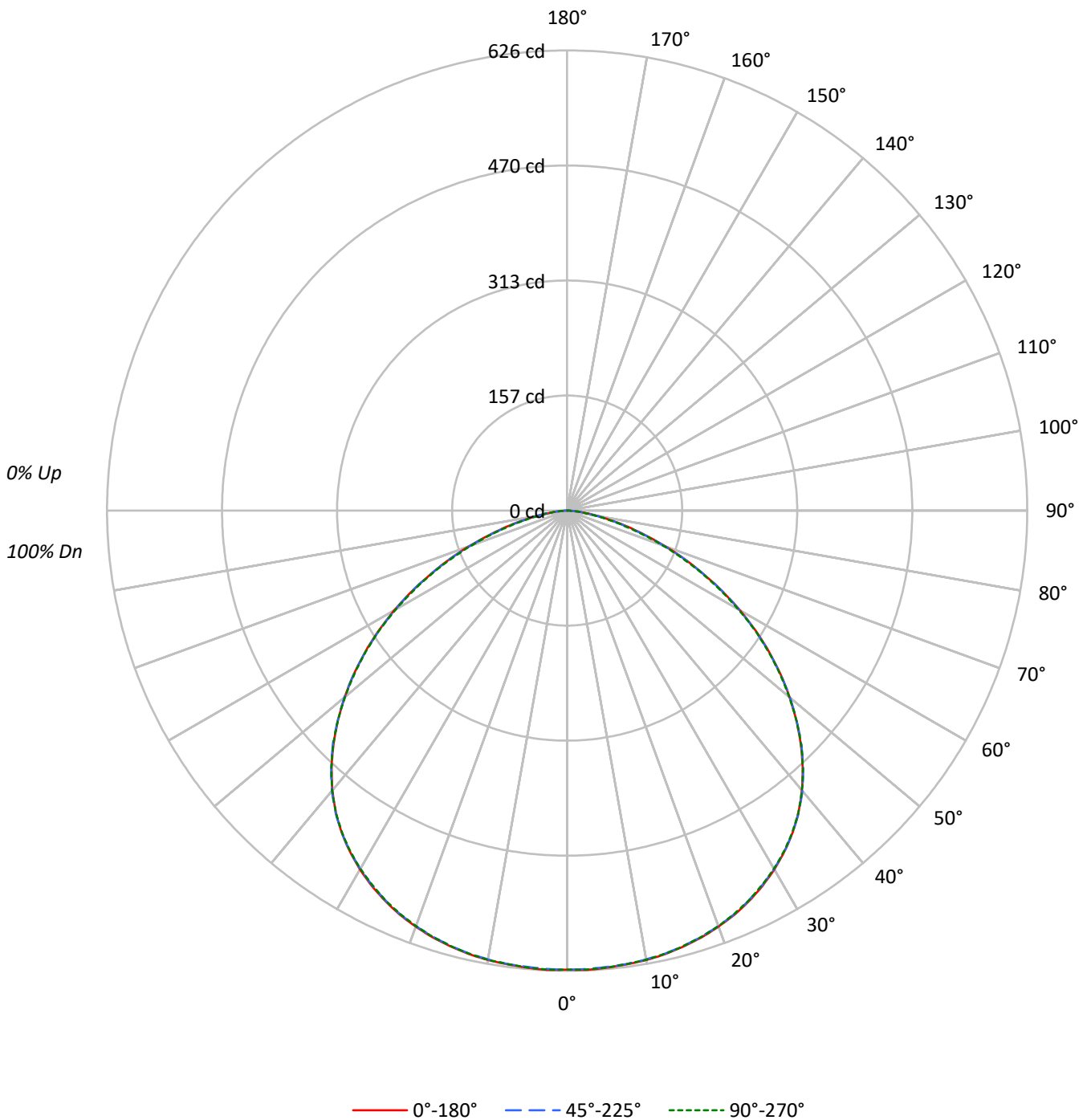
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1792.0 lumens
Efficiency: N/A
Efficacy: 121.1 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	52	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°	1830	1830	1830
5°	1836	1833	1835
10°	1847	1845	1846
15°	1862	1860	1860
20°	1878	1876	1876
25°	1895	1891	1891
30°	1908	1904	1903
35°	1913	1913	1911
40°	1901	1905	1901
45°	1863	1868	1866
50°	1801	1803	1798
55°	1714	1710	1707
60°	1592	1588	1575
65°	1421	1420	1404
70°	1215	1208	1181
75°	968	940	911
80°	690	677	641
85°	447	447	434



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	3.3
10°-20°	173.3	9.7
20°-30°	269.8	15.1
30°-40°	333.9	18.6
40°-50°	346.2	19.3
50°-60°	298.4	16.7
60°-70°	202.9	11.3
70°-80°	90.8	5.1
80°-90°	17.3	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°	502.4	28.0
0°-40°	836.4	46.7
0°-60°	1481.0	82.6
0°-90°	1792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1792.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	625	625	625	625	625	
5°	624	623	623	623	624	59
15°	614	613	613	613	613	173
25°	586	585	585	585	585	270
35°	535	534	535	534	534	334
45°	450	449	451	450	450	346
55°	336	334	335	334	334	299
65°	205	207	205	204	202	204
75°	86	86	83	83	80	92
85°	13	14	13	13	13	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	624.6	624.6	624.6	624.6	624.6
2.5°	625.5	624.2	624.2	624.4	625.0
5°	624.2	622.9	623.3	623.1	623.8
7.5°	622.5	621.5	622.1	621.6	622.1
10°	620.8	619.8	620.0	619.8	620.4
12.5°	617.9	616.7	617.1	617.1	617.3
15°	613.8	612.7	613.1	612.7	613.1
17.5°	608.7	607.5	607.7	607.5	607.9
20°	602.3	601.5	601.6	601.2	601.5
22.5°	595.0	593.9	594.2	593.8	593.8
25°	586.0	585.2	585.0	584.7	585.0
27.5°	575.6	574.6	574.6	574.3	574.3
30°	563.9	562.9	562.9	562.6	562.6
32.5°	550.1	549.7	549.9	549.5	549.3
35°	534.9	534.3	534.9	534.1	534.3
37.5°	517.2	516.4	517.6	516.8	517.0
40°	497.0	496.5	498.0	497.4	497.0
42.5°	474.4	474.4	475.1	475.3	474.8
45°	449.6	449.2	450.9	449.8	450.2
47.5°	422.9	422.3	423.6	423.3	423.1
50°	395.0	394.5	395.6	394.5	394.5
52.5°	366.0	365.8	366.0	365.0	364.7
55°	335.5	334.3	334.7	334.1	334.1
57.5°	303.8	302.4	302.6	302.4	302.6
60°	271.6	271.1	270.9	269.9	268.8
62.5°	238.4	238.8	238.6	237.1	236.0
65°	205.0	206.7	204.8	204.2	202.5
67.5°	173.5	174.1	172.9	171.4	169.6
70°	141.8	143.1	141.0	139.5	137.9
72.5°	111.6	112.4	110.5	109.7	107.6
75°	85.5	85.7	83.0	82.6	80.5
77.5°	60.9	61.7	59.7	59.7	57.6
80°	40.9	42.3	40.1	39.4	38.0
82.5°	25.7	25.9	25.2	24.6	24.0
85°	13.3	13.7	13.3	12.9	12.9
87.5°	5.0	5.2	5.0	4.8	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)