

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: P738061

Luminaire Tested: **22PT-20-PP3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738061
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-L940
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

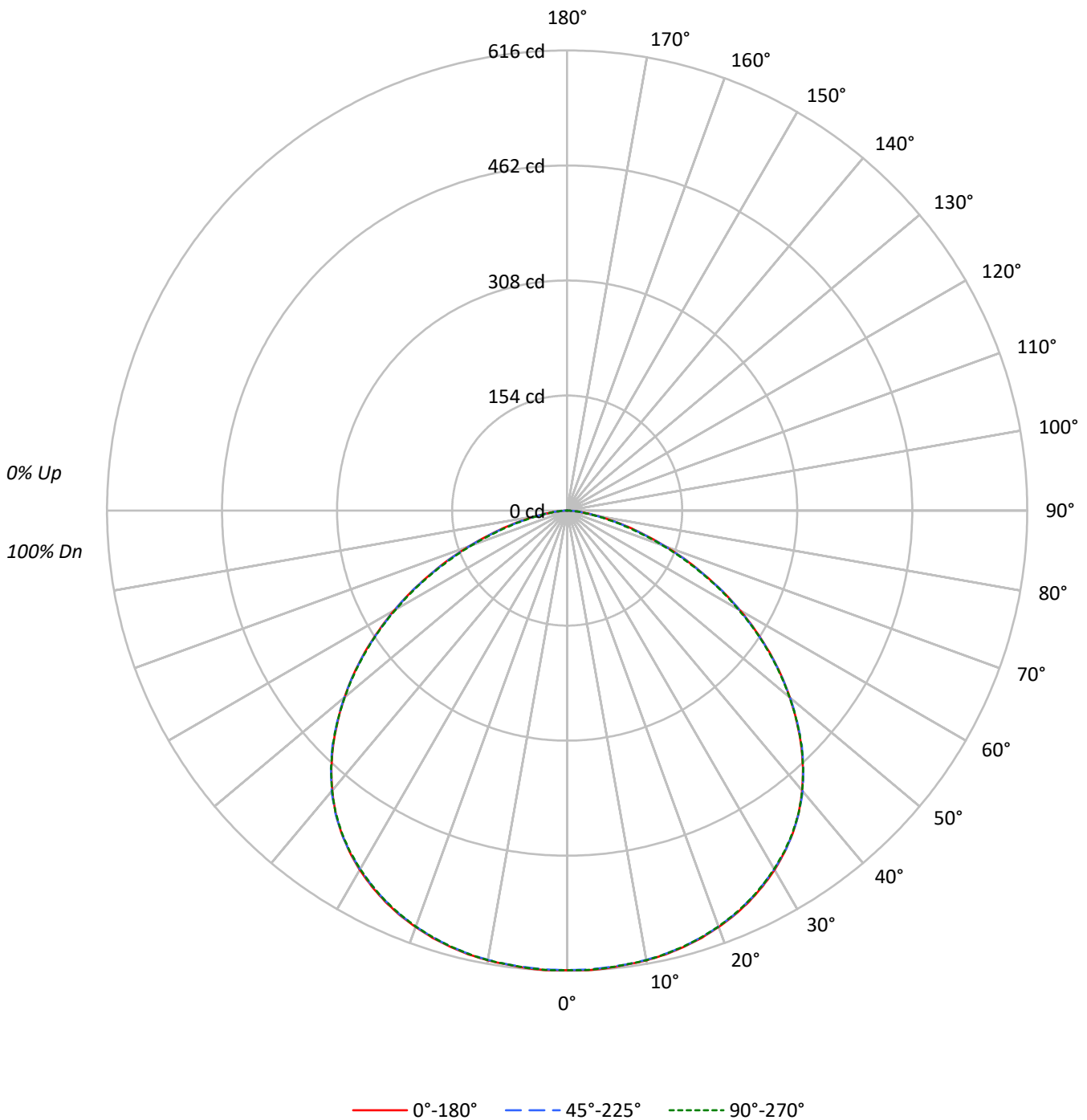
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1765.0 lumens
Efficiency: N/A
Efficacy: 119.3 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°	1803	1803	1803
5°	1808	1806	1807
10°	1819	1817	1818
15°	1834	1832	1832
20°	1850	1848	1847
25°	1866	1863	1863
30°	1879	1876	1875
35°	1885	1885	1882
40°	1872	1876	1872
45°	1835	1840	1837
50°	1774	1776	1771
55°	1688	1684	1681
60°	1568	1563	1552
65°	1400	1398	1382
70°	1197	1189	1163
75°	953	925	898
80°	680	667	631
85°	440	440	427



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	3.3
10°-20°	170.7	9.7
20°-30°	265.7	15.1
30°-40°	328.9	18.6
40°-50°	341.0	19.3
50°-60°	293.9	16.7
60°-70°	199.8	11.3
70°-80°	89.4	5.1
80°-90°	17.0	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°	494.9	28.0
0°-40°	823.8	46.7
0°-60°	1458.7	82.6
0°-90°	1765.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1765.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	615	615	615	615	615	
5°	615	614	614	614	614	59
15°	604	604	604	604	604	171
25°	577	576	576	576	576	266
35°	527	526	527	526	526	329
45°	443	442	444	443	443	341
55°	330	329	330	329	329	295
65°	202	204	202	201	199	200
75°	84	84	82	81	79	91
85°	13	14	13	13	13	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	615.2	615.2	615.2	615.2	615.2
2.5°	616.0	614.8	614.8	615.0	615.6
5°	614.8	613.5	614.0	613.7	614.4
7.5°	613.1	612.1	612.7	612.3	612.7
10°	611.5	610.4	610.7	610.4	611.1
12.5°	608.6	607.4	607.8	607.8	608.0
15°	604.5	603.5	603.9	603.5	603.9
17.5°	599.6	598.3	598.6	598.3	598.7
20°	593.2	592.4	592.6	592.2	592.4
22.5°	586.0	585.0	585.2	584.8	584.8
25°	577.2	576.3	576.2	575.9	576.2
27.5°	566.9	565.9	565.9	565.7	565.7
30°	555.4	554.4	554.4	554.2	554.2
32.5°	541.8	541.4	541.7	541.3	541.0
35°	526.9	526.2	526.9	526.0	526.2
37.5°	509.4	508.6	509.8	509.0	509.2
40°	489.5	489.1	490.5	489.9	489.5
42.5°	467.3	467.3	467.9	468.1	467.7
45°	442.9	442.5	444.1	443.0	443.4
47.5°	416.5	416.0	417.2	416.9	416.8
50°	389.1	388.6	389.6	388.6	388.6
52.5°	360.5	360.3	360.5	359.5	359.2
55°	330.5	329.3	329.7	329.0	329.0
57.5°	299.3	297.8	298.0	297.8	298.0
60°	267.5	267.0	266.8	265.8	264.8
62.5°	234.8	235.2	235.0	233.5	232.5
65°	201.9	203.6	201.7	201.1	199.4
67.5°	170.9	171.5	170.3	168.8	167.0
70°	139.7	140.9	138.8	137.4	135.8
72.5°	109.9	110.7	108.9	108.1	106.0
75°	84.2	84.4	81.7	81.3	79.3
77.5°	60.0	60.8	58.8	58.8	56.7
80°	40.3	41.7	39.5	38.8	37.4
82.5°	25.3	25.5	24.8	24.3	23.6
85°	13.1	13.5	13.1	12.7	12.7
87.5°	5.0	5.1	5.0	4.7	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)