

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: P738403

Luminaire Tested: **24PT-20-PC3-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-20-PC3-L930
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

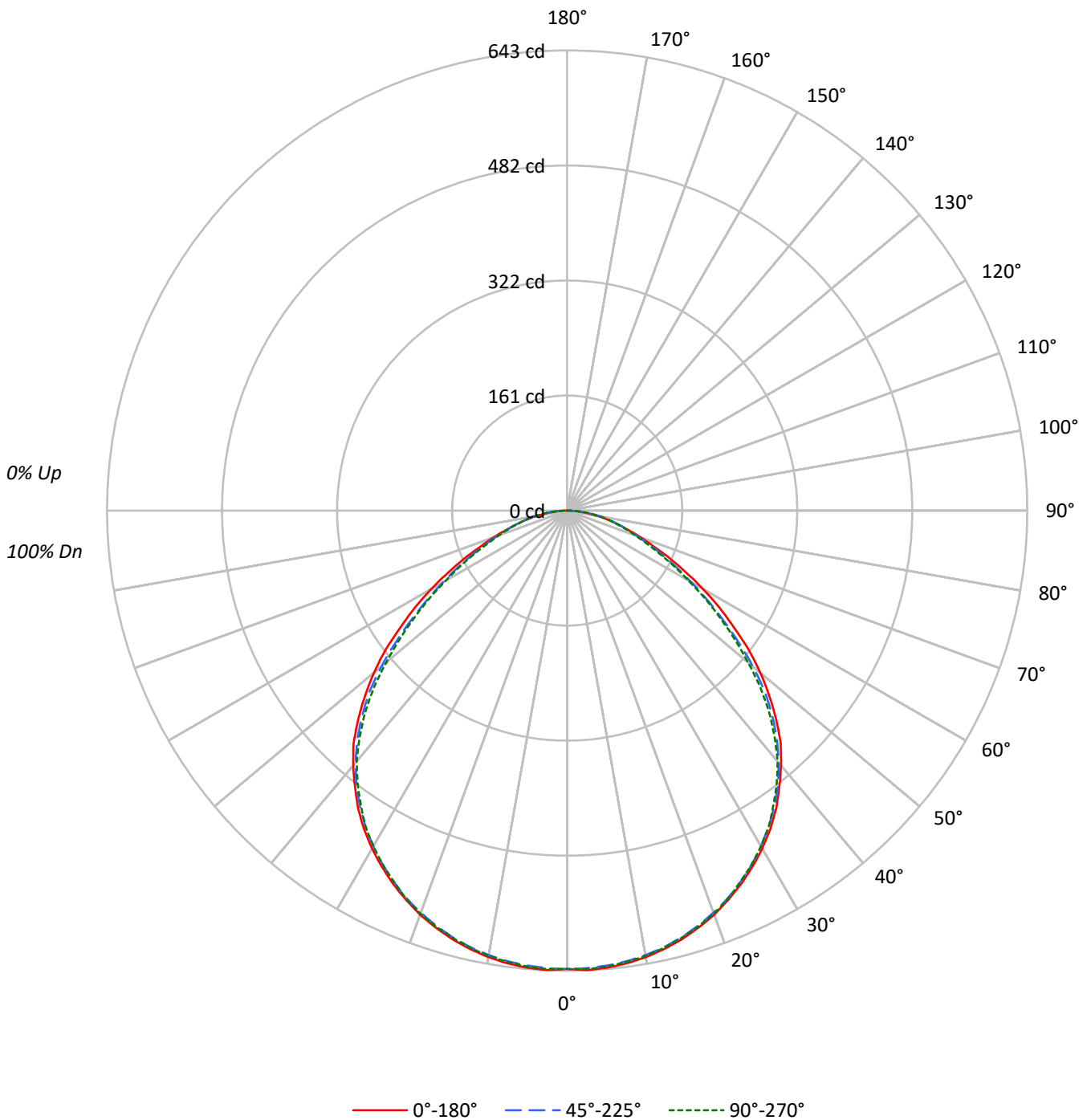
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1616.0 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 15.1
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	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	919	919	919
5°	923	919	921
10°	923	918	920
15°	921	916	917
20°	917	912	914
25°	911	906	906
30°	903	897	897
35°	891	884	880
40°	871	860	856
45°	837	821	810
50°	786	756	736
55°	710	662	650
60°	628	573	562
65°	537	497	484
70°	455	436	423
75°	399	406	392
80°	358	395	372
85°	303	360	344



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	3.8
10°-20°	174.4	10.8
20°-30°	264.1	16.3
30°-40°	315.5	19.5
40°-50°	311.2	19.3
50°-60°	240.9	14.9
60°-70°	148.1	9.2
70°-80°	77.6	4.8
80°-90°	23.5	1.5
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°	499.2	30.9
0°-40°	814.7	50.4
0°-60°	1366.8	84.6
0°-90°	1616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1616.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	641	641	641	641	641	
5°	641	639	638	638	640	61
15°	620	618	617	617	618	175
25°	576	574	573	572	572	265
35°	509	507	505	503	502	318
45°	413	410	405	401	399	318
55°	284	277	265	261	260	255
65°	158	151	146	142	143	158
75°	72	73	73	72	71	78
85°	18	20	22	21	21	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	640.6	640.6	640.6	640.6	640.6
2.5°	642.8	640.8	639.9	639.8	641.2
5°	641.0	639.0	638.3	638.0	639.6
7.5°	638.2	636.0	635.3	634.8	636.2
10°	633.7	631.6	630.8	630.5	631.7
12.5°	627.3	625.3	624.8	624.2	625.8
15°	620.1	618.2	617.3	616.8	618.0
17.5°	610.9	609.3	608.2	608.2	609.3
20°	600.9	598.9	598.0	597.5	599.3
22.5°	588.6	587.3	586.3	585.4	587.3
25°	575.6	573.8	572.7	572.4	572.5
27.5°	560.8	559.5	558.1	557.6	557.9
30°	545.3	543.7	541.7	540.6	541.5
32.5°	528.0	525.6	524.0	523.0	524.2
35°	508.9	506.6	504.8	503.2	502.5
37.5°	487.1	486.4	483.9	481.1	480.9
40°	465.2	463.2	459.7	458.4	457.5
42.5°	441.7	437.6	433.8	430.2	429.0
45°	412.8	409.7	405.1	400.8	399.4
47.5°	383.2	379.3	374.8	367.3	366.4
50°	352.3	346.6	338.8	332.5	329.9
52.5°	320.2	312.6	301.7	296.3	294.9
55°	284.2	276.6	265.0	261.0	260.0
57.5°	252.1	240.9	231.4	227.0	228.4
60°	219.1	208.3	199.9	195.6	196.0
62.5°	186.9	178.3	172.1	168.0	168.5
65°	158.3	151.0	146.4	142.1	142.6
67.5°	130.3	127.0	123.6	121.1	119.6
70°	108.6	107.2	104.0	101.6	100.9
72.5°	88.8	89.7	87.0	86.3	86.1
75°	72.0	72.7	73.3	71.9	70.8
77.5°	57.6	58.7	60.8	58.8	58.5
80°	43.3	45.5	47.8	46.5	45.1
82.5°	30.3	33.0	35.1	33.5	32.8
85°	18.4	20.5	21.9	21.4	20.9
87.5°	8.2	8.9	9.6	9.8	9.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)