

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: P738427

Luminaire Tested: **24PT-20-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-20-PW1-L930
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

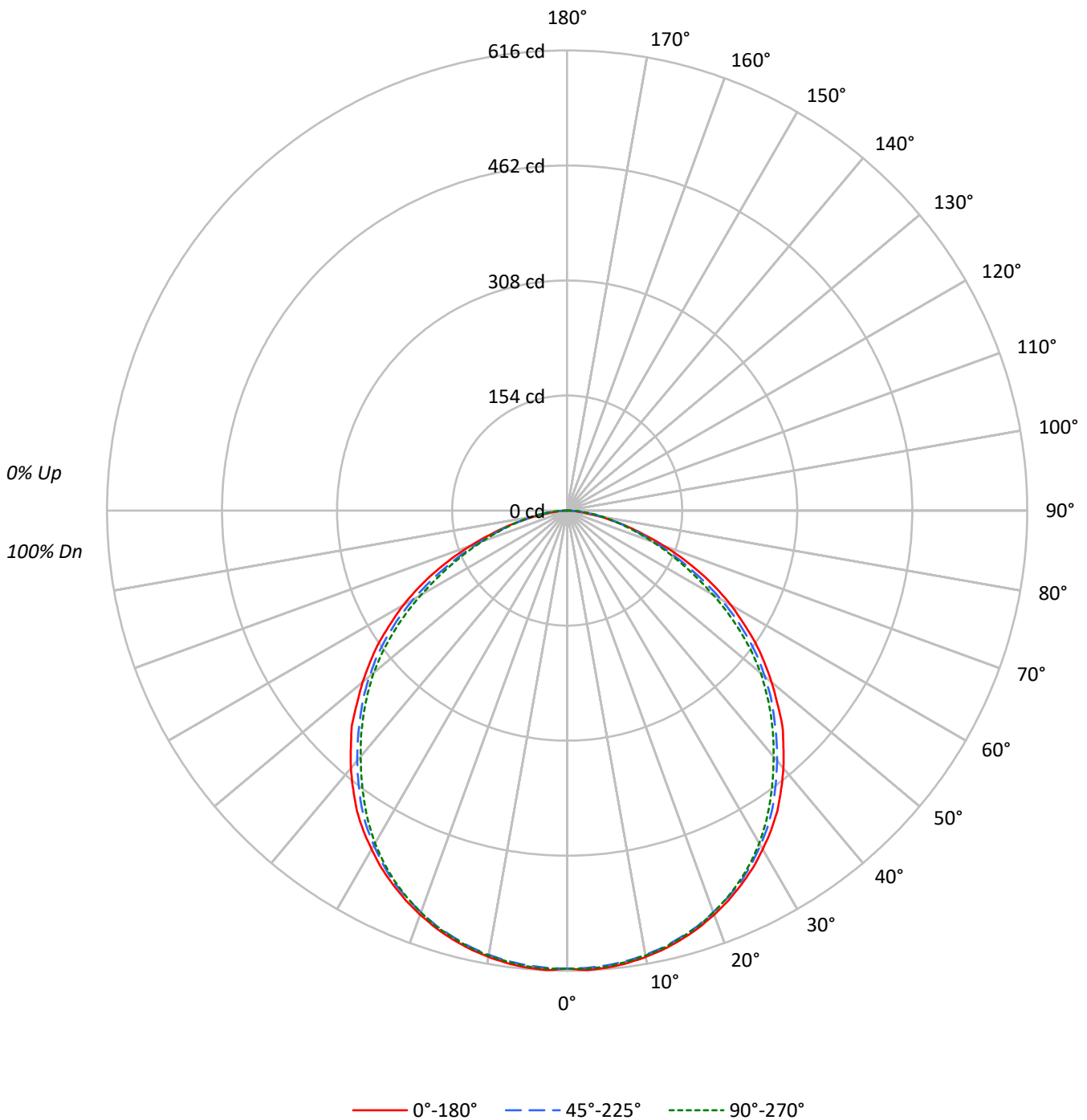
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1635.0 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 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 (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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	879	879	879
5°	884	880	882
10°	883	879	881
15°	882	877	878
20°	878	873	874
25°	874	869	865
30°	867	857	852
35°	859	842	830
40°	843	818	805
45°	827	794	782
50°	797	770	754
55°	768	735	709
60°	726	681	646
65°	665	607	576
70°	576	526	507
75°	471	454	448
80°	344	388	400
85°	230	324	344



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	3.6
10°-20°	167.0	10.2
20°-30°	252.7	15.5
30°-40°	300.7	18.4
40°-50°	303.7	18.6
50°-60°	262.8	16.1
60°-70°	179.5	11.0
70°-80°	88.5	5.4
80°-90°	22.1	1.4
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°	477.8	29.2
0°-40°	778.4	47.6
0°-60°	1344.9	82.3
0°-90°	1635.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1635.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	613	613	613	613	613	
5°	614	612	611	611	612	58
15°	594	592	591	590	592	168
25°	552	550	549	547	547	254
35°	491	487	481	475	474	306
45°	408	401	392	387	385	313
55°	307	303	294	288	284	274
65°	196	188	179	173	170	193
75°	85	83	82	81	81	91
85°	14	17	20	20	21	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	613.2	613.2	613.2	613.2	613.2
2.5°	615.7	613.4	612.7	612.1	613.7
5°	614.3	611.9	611.2	610.7	612.5
7.5°	611.2	608.9	608.2	607.7	609.1
10°	606.8	604.7	604.0	603.4	605.0
12.5°	601.1	599.2	598.3	597.6	599.4
15°	594.0	592.1	590.9	590.5	591.6
17.5°	585.5	583.6	582.7	582.2	583.4
20°	575.6	573.5	572.2	571.5	572.6
22.5°	564.6	562.5	560.9	560.2	560.5
25°	552.2	550.1	549.0	546.9	546.9
27.5°	538.9	536.4	533.8	531.5	531.6
30°	523.5	520.7	517.5	514.4	514.3
32.5°	507.9	504.3	500.4	496.4	495.1
35°	490.7	486.6	480.8	475.4	474.0
37.5°	470.5	466.8	459.0	454.5	452.2
40°	450.5	445.1	437.2	432.0	429.9
42.5°	428.5	423.3	414.8	410.0	408.3
45°	407.6	400.6	391.8	387.3	385.4
47.5°	381.5	375.8	369.6	364.5	362.0
50°	357.4	352.8	345.3	339.7	338.1
52.5°	332.2	328.3	321.2	313.8	312.0
55°	307.2	303.0	294.1	287.9	283.5
57.5°	279.0	275.3	267.0	259.0	255.1
60°	253.1	246.8	237.5	228.9	225.3
62.5°	225.0	218.8	208.1	199.3	197.3
65°	195.9	188.4	178.9	173.0	169.7
67.5°	166.5	159.2	151.2	147.5	145.4
70°	137.4	131.5	125.5	122.9	120.9
72.5°	109.4	106.0	102.6	101.6	99.8
75°	85.1	82.6	81.9	81.4	80.8
77.5°	61.3	62.6	63.3	64.0	63.3
80°	41.7	44.3	47.0	48.4	48.4
82.5°	25.7	30.3	32.6	34.0	33.9
85°	14.0	17.4	19.7	20.4	20.9
87.5°	5.7	7.1	8.0	8.7	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)