

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: P737765

Luminaire Tested: **14PT-30-PC3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737765
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-30-PC3-L940
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

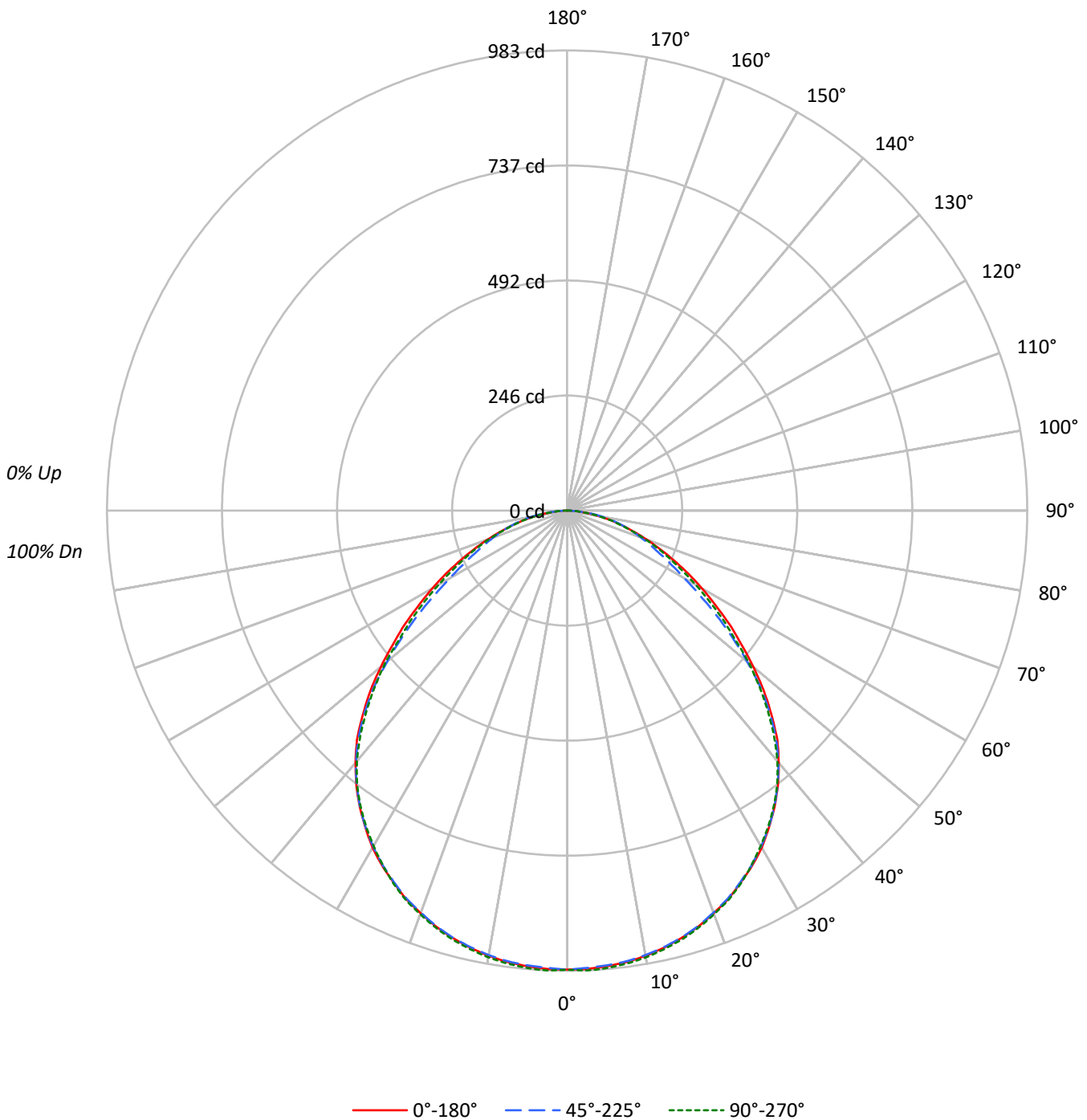
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2472.0 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 23.4
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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	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°	2940	2940	2940
5°	2941	2935	2952
10°	2940	2935	2951
15°	2934	2930	2943
20°	2920	2916	2928
25°	2900	2896	2907
30°	2879	2869	2864
35°	2827	2824	2819
40°	2752	2748	2736
45°	2617	2598	2571
50°	2423	2341	2367
55°	2211	2031	2123
60°	1994	1733	1901
65°	1781	1550	1709
70°	1580	1467	1538
75°	1397	1421	1369
80°	1205	1357	1198
85°	905	1073	905



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	3.8
10°-20°	266.9	10.8
20°-30°	404.2	16.3
30°-40°	481.9	19.5
40°-50°	470.8	19.0
50°-60°	360.0	14.6
60°-70°	231.1	9.3
70°-80°	128.6	5.2
80°-90°	35.5	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°	764.1	30.9
0°-40°	1245.9	50.4
0°-60°	2076.8	84.0
0°-90°	2472.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2472.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	981	981	981	981	981	
5°	977	978	975	980	981	93
15°	945	946	944	947	948	267
25°	877	878	875	878	879	404
35°	772	773	772	771	770	482
45°	617	619	613	611	606	475
55°	423	408	389	394	406	378
65°	251	232	218	226	241	250
75°	121	122	123	121	118	129
85°	26	31	31	30	26	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	980.6	980.6	980.6	980.6	980.6
2.5°	979.9	980.2	977.8	982.0	983.4
5°	977.1	977.8	975.3	979.9	980.9
7.5°	972.9	973.6	971.1	975.7	976.0
10°	965.8	966.2	964.1	968.6	969.3
12.5°	956.4	957.4	955.0	959.2	959.5
15°	945.2	945.9	944.1	947.3	948.3
17.5°	931.8	932.2	930.4	933.9	934.3
20°	915.3	915.3	913.9	917.8	917.8
22.5°	898.5	897.5	897.1	898.5	900.6
25°	876.8	877.8	875.4	878.2	878.9
27.5°	855.7	855.7	853.6	855.0	853.3
30°	831.5	830.1	828.7	829.1	827.3
32.5°	802.4	802.4	801.7	801.7	799.6
35°	772.3	773.0	771.6	771.2	770.1
37.5°	740.0	741.0	738.6	737.9	737.2
40°	703.2	703.2	702.1	700.7	699.0
42.5°	664.9	664.9	660.4	656.9	654.4
45°	617.2	618.6	612.7	611.3	606.4
47.5°	569.9	568.8	560.8	559.7	556.9
50°	519.4	513.4	501.9	505.0	507.5
52.5°	468.9	461.5	444.7	448.2	452.4
55°	423.0	408.2	388.6	393.5	406.1
57.5°	374.9	355.3	335.6	344.7	360.5
60°	332.5	310.4	289.0	298.8	317.0
62.5°	291.8	268.3	251.1	260.6	276.0
65°	251.1	231.8	218.5	225.9	240.9
67.5°	213.9	201.0	191.8	195.3	207.6
70°	180.3	172.2	167.3	168.3	175.4
72.5°	148.3	146.2	144.5	144.5	145.2
75°	120.6	121.7	122.7	121.0	118.2
77.5°	95.0	98.5	101.0	97.5	94.0
80°	69.8	75.4	78.6	74.7	69.4
82.5°	47.7	54.0	55.1	52.6	46.6
85°	26.3	30.9	31.2	30.2	26.3
87.5°	9.8	11.6	12.6	11.6	10.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)