

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: P738435

Luminaire Tested: **24PT-30-PC3-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738435
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-30-PC3-L930
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

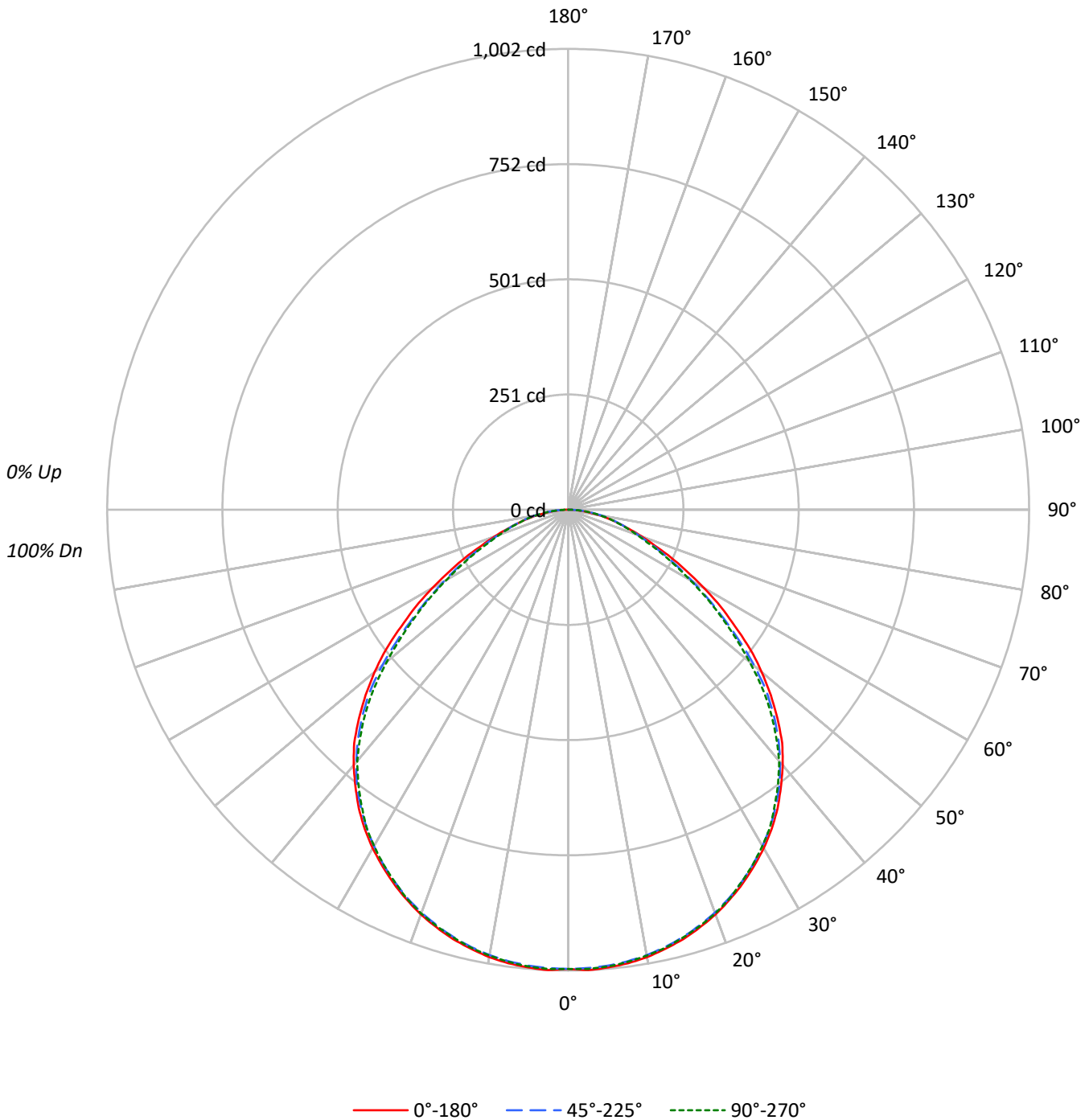
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2519.0 lumens
Efficiency: N/A
Efficacy: 105.8 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): 23.8
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																		
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	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°	1432	1432	1432
5°	1438	1432	1435
10°	1438	1432	1434
15°	1435	1428	1430
20°	1429	1422	1425
25°	1419	1412	1412
30°	1407	1398	1398
35°	1388	1377	1371
40°	1357	1341	1335
45°	1305	1281	1262
50°	1225	1178	1147
55°	1107	1032	1013
60°	980	894	876
65°	837	774	755
70°	710	679	659
75°	622	633	611
80°	557	615	580
85°	471	563	535



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	3.8
10°-20°	271.8	10.8
20°-30°	411.7	16.3
30°-40°	491.7	19.5
40°-50°	485.1	19.3
50°-60°	375.5	14.9
60°-70°	230.8	9.2
70°-80°	120.9	4.8
80°-90°	36.7	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°	778.2	30.9
0°-40°	1269.9	50.4
0°-60°	2130.6	84.6
0°-90°	2519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2519.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	999	999	999	999	999	
5°	999	996	995	994	997	95
15°	967	964	962	961	963	273
25°	897	894	893	892	892	413
35°	793	790	787	784	783	495
45°	643	639	632	625	623	495
55°	443	431	413	407	405	398
65°	247	235	228	222	222	246
75°	112	113	114	112	110	121
85°	29	32	34	33	32	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	998.6	998.6	998.6	998.6	998.6
2.5°	1002.0	998.9	997.5	997.2	999.5
5°	999.2	996.1	995.0	994.5	997.0
7.5°	994.7	991.4	990.3	989.5	991.7
10°	987.8	984.5	983.3	982.8	984.7
12.5°	977.8	974.7	973.9	973.1	975.6
15°	966.7	963.6	962.2	961.4	963.3
17.5°	952.2	949.7	948.1	948.1	949.7
20°	936.7	933.6	932.2	931.4	934.2
22.5°	917.5	915.5	913.9	912.5	915.5
25°	897.2	894.4	892.7	892.2	892.5
27.5°	874.1	872.2	869.9	869.1	869.7
30°	849.9	847.4	844.4	842.7	844.1
32.5°	823.0	819.4	816.9	815.2	817.1
35°	793.2	789.6	786.8	784.3	783.2
37.5°	759.3	758.2	754.3	749.9	749.6
40°	725.1	722.1	716.5	714.6	713.2
42.5°	688.5	682.1	676.2	670.7	668.7
45°	643.4	638.7	631.5	624.8	622.6
47.5°	597.3	591.2	584.2	572.6	571.2
50°	549.2	540.3	528.1	518.4	514.2
52.5°	499.2	487.2	470.3	461.9	459.7
55°	443.0	431.1	413.0	406.9	405.2
57.5°	393.0	375.5	360.8	353.8	356.0
60°	341.6	324.6	311.6	304.9	305.5
62.5°	291.3	277.9	268.2	261.8	262.7
65°	246.8	235.4	228.2	221.5	222.4
67.5°	203.2	197.9	192.6	188.7	186.5
70°	169.3	167.0	162.0	158.4	157.3
72.5°	138.4	139.8	135.6	134.5	134.2
75°	112.3	113.4	114.2	112.0	110.3
77.5°	89.8	91.4	94.8	91.7	91.2
80°	67.5	70.9	74.5	72.5	70.3
82.5°	47.2	51.4	54.8	52.3	51.1
85°	28.6	32.0	34.2	33.4	32.5
87.5°	12.8	13.9	15.0	15.3	14.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)