

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: P738446

Luminaire Tested: **24PT-30-PL1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-30-PL1-L950
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

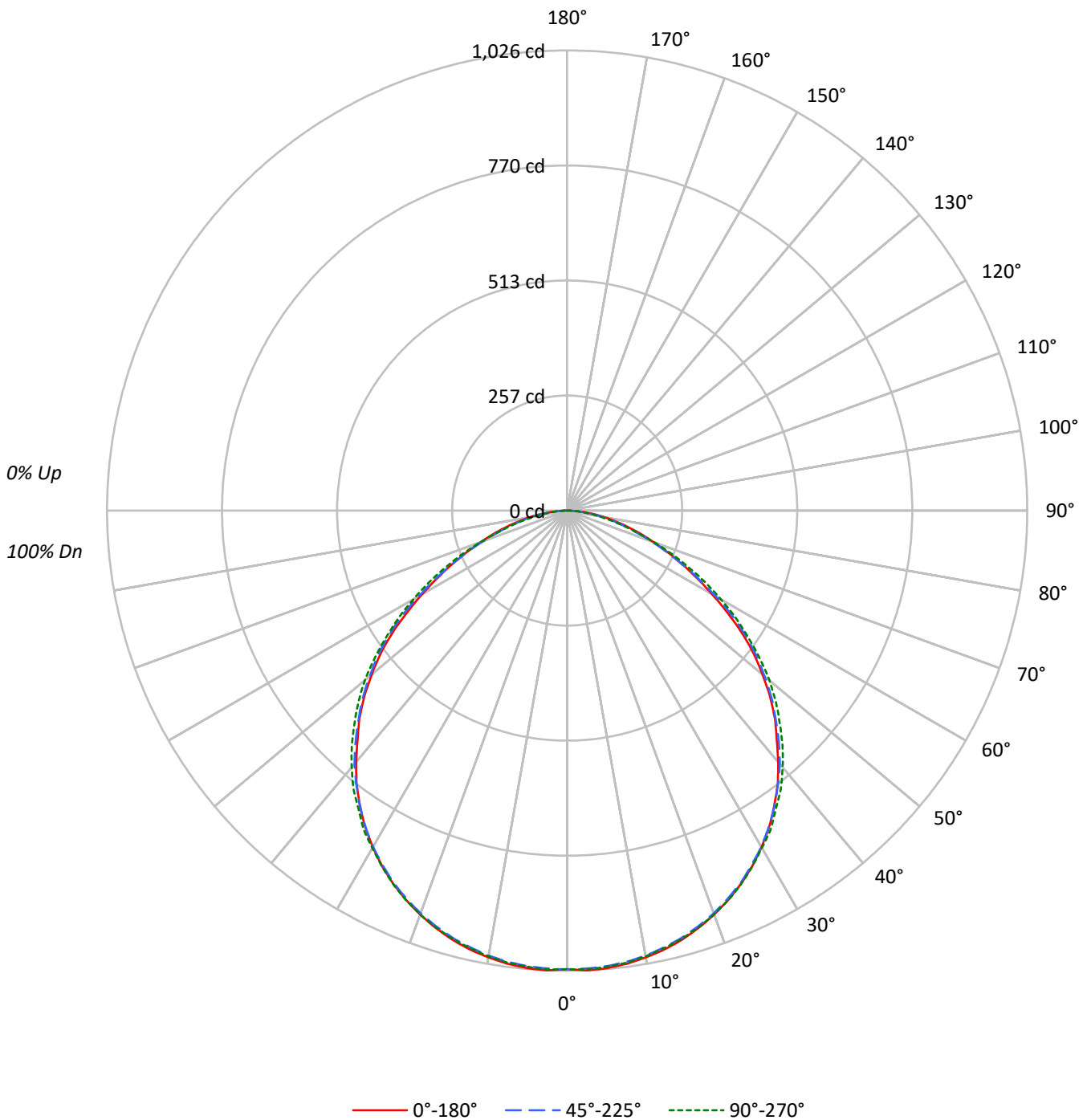
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2707.0 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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 (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

TEST NUMBER: P738446
CATALOG NUMBER: 24PT-30-PL1-L950

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	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1466	1466	1466
5°	1474	1467	1469
10°	1473	1467	1469
15°	1470	1464	1467
20°	1463	1458	1462
25°	1452	1449	1453
30°	1435	1433	1438
35°	1409	1409	1420
40°	1370	1381	1399
45°	1328	1333	1360
50°	1268	1283	1313
55°	1190	1212	1231
60°	1069	1095	1136
65°	956	958	1010
70°	853	829	859
75°	770	725	712
80°	685	638	563
85°	561	531	441



TEST NUMBER: P738446

CATALOG NUMBER: 24PT-30-PL1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.0	3.6
10°-20°	278.5	10.3
20°-30°	422.0	15.6
30°-40°	504.3	18.6
40°-50°	508.7	18.8
50°-60°	431.6	15.9
60°-70°	285.6	10.5
70°-80°	141.7	5.2
80°-90°	37.5	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°	797.6	29.5
0°-40°	1301.9	48.1
0°-60°	2242.2	82.8
0°-90°	2707.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2707.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1023	1023	1023	1023	1023	
5°	1024	1020	1020	1019	1021	97
15°	990	987	986	986	988	279
25°	918	916	916	915	919	423
35°	805	804	805	810	811	503
45°	655	654	658	666	670	504
55°	476	477	485	489	492	423
65°	282	281	282	291	298	281
75°	139	135	131	127	128	149
85°	34	34	32	30	27	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1022.7	1022.7	1022.7	1022.7	1022.7
2.5°	1026.2	1023.0	1022.1	1021.5	1023.9
5°	1023.9	1020.3	1019.5	1018.9	1020.9
7.5°	1019.2	1015.3	1014.8	1014.2	1016.8
10°	1011.5	1008.0	1007.4	1006.8	1009.2
12.5°	1002.4	998.9	997.7	998.0	999.5
15°	990.4	987.1	986.2	986.2	988.3
17.5°	975.4	972.4	971.8	971.5	974.2
20°	958.6	955.7	955.7	956.6	958.0
22.5°	939.5	937.4	936.3	936.9	939.8
25°	917.7	915.7	915.7	915.4	918.6
27.5°	893.6	891.0	891.0	893.4	894.5
30°	866.6	864.2	865.4	867.2	868.4
32.5°	837.5	836.0	836.9	839.6	844.3
35°	804.9	803.7	805.2	809.6	811.3
37.5°	770.8	769.9	771.9	777.8	782.8
40°	732.0	732.0	737.6	742.8	747.5
42.5°	691.7	694.3	698.5	706.7	710.8
45°	654.7	653.8	657.6	666.4	670.5
47.5°	613.5	612.6	618.2	624.4	631.1
50°	568.5	568.2	575.0	580.3	588.8
52.5°	524.7	527.4	531.8	536.5	541.5
55°	476.2	477.4	485.0	489.4	492.4
57.5°	423.9	427.7	437.1	443.6	446.2
60°	372.7	375.1	381.9	393.3	396.0
62.5°	326.3	327.2	331.3	344.2	347.8
65°	281.9	281.3	282.5	291.3	297.8
67.5°	241.6	239.3	239.3	244.0	251.9
70°	203.4	199.9	197.8	199.3	204.9
72.5°	171.4	166.7	161.4	160.5	164.0
75°	139.0	135.2	130.8	126.7	128.5
77.5°	110.8	107.6	103.5	98.8	96.4
80°	82.9	81.7	77.3	72.9	68.2
82.5°	57.9	57.0	54.1	50.6	47.6
85°	34.1	34.1	32.3	29.7	26.8
87.5°	15.3	14.7	15.3	12.9	12.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)