

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: P738460

Luminaire Tested: **24PT-30-PW1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738460
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-30-PW1-L935
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

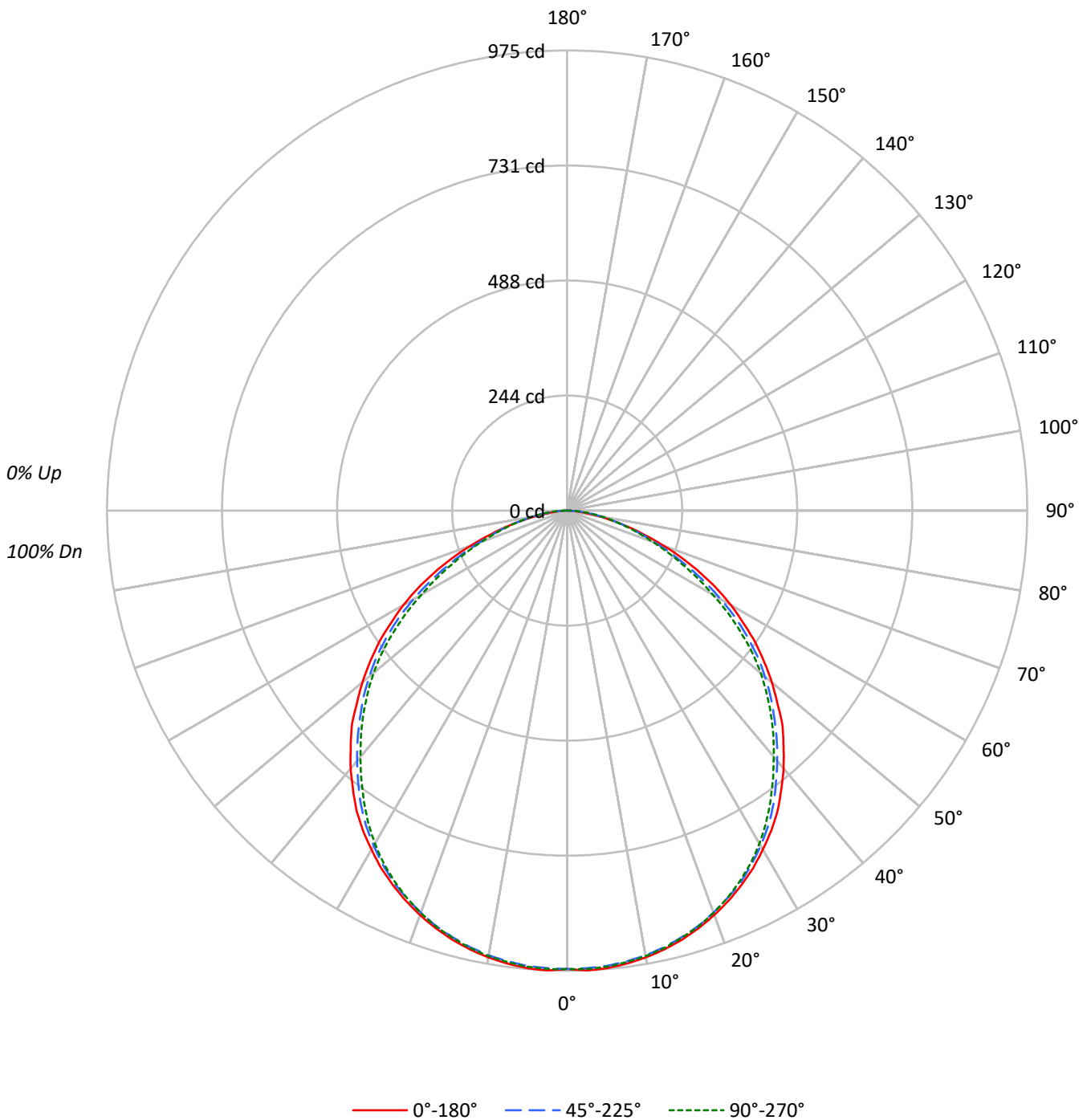
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2590.0 lumens
Efficiency: N/A
Efficacy: 108.8 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): 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

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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°	1393	1393	1393
5°	1400	1394	1396
10°	1399	1393	1395
15°	1397	1389	1391
20°	1391	1383	1384
25°	1384	1376	1371
30°	1373	1357	1349
35°	1361	1333	1314
40°	1336	1296	1275
45°	1309	1258	1238
50°	1263	1220	1195
55°	1217	1165	1122
60°	1150	1079	1023
65°	1053	961	912
70°	912	833	803
75°	747	719	710
80°	545	614	633
85°	365	513	545



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.1	3.6
10°-20°	264.5	10.2
20°-30°	400.3	15.5
30°-40°	476.3	18.4
40°-50°	481.1	18.6
50°-60°	416.3	16.1
60°-70°	284.4	11.0
70°-80°	140.1	5.4
80°-90°	35.0	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°	756.9	29.2
0°-40°	1233.1	47.6
0°-60°	2130.5	82.3
0°-90°	2590.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2590.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	971	971	971	971	971	
5°	973	969	968	967	970	92
15°	941	938	936	935	937	266
25°	875	871	870	866	866	403
35°	777	771	762	753	751	485
45°	646	635	621	614	610	496
55°	487	480	466	456	449	433
65°	310	298	283	274	269	306
75°	135	131	130	129	128	144
85°	22	28	31	32	33	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	971.4	971.4	971.4	971.4	971.4
2.5°	975.3	971.6	970.5	969.7	972.2
5°	973.0	969.4	968.3	967.4	970.2
7.5°	968.3	964.6	963.5	962.6	964.9
10°	961.2	957.9	956.7	955.9	958.4
12.5°	952.3	949.2	947.8	946.6	949.4
15°	941.0	937.9	936.0	935.4	937.1
17.5°	927.5	924.5	923.0	922.2	924.2
20°	911.8	908.4	906.5	905.4	907.0
22.5°	894.4	891.0	888.5	887.4	887.9
25°	874.7	871.4	869.7	866.3	866.3
27.5°	853.7	849.8	845.5	841.9	842.2
30°	829.3	824.8	819.7	814.9	814.7
32.5°	804.5	798.9	792.7	786.3	784.3
35°	777.3	770.8	761.6	753.2	750.9
37.5°	745.3	739.4	727.0	720.0	716.4
40°	713.6	705.1	692.5	684.4	681.0
42.5°	678.7	670.6	657.1	649.5	646.7
45°	645.6	634.6	620.6	613.6	610.5
47.5°	604.3	595.3	585.5	577.4	573.4
50°	566.1	558.8	547.0	538.0	535.5
52.5°	526.3	520.1	508.8	497.0	494.2
55°	486.7	479.9	465.9	456.0	449.0
57.5°	442.0	436.1	422.9	410.3	404.1
60°	401.0	390.9	376.3	362.5	356.9
62.5°	356.4	346.5	329.7	315.6	312.6
65°	310.3	298.5	283.3	274.1	268.7
67.5°	263.7	252.2	239.5	233.6	230.3
70°	217.6	208.4	198.8	194.6	191.5
72.5°	173.3	167.9	162.6	160.9	158.1
75°	134.8	130.9	129.7	128.9	128.1
77.5°	97.2	99.1	100.3	101.4	100.3
80°	66.0	70.2	74.4	76.7	76.7
82.5°	40.7	48.0	51.7	53.9	53.6
85°	22.2	27.5	31.2	32.3	33.1
87.5°	9.0	11.2	12.6	13.8	14.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)