

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: P738315

Luminaire Tested: **22PT-60-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-60-PW1-L930
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

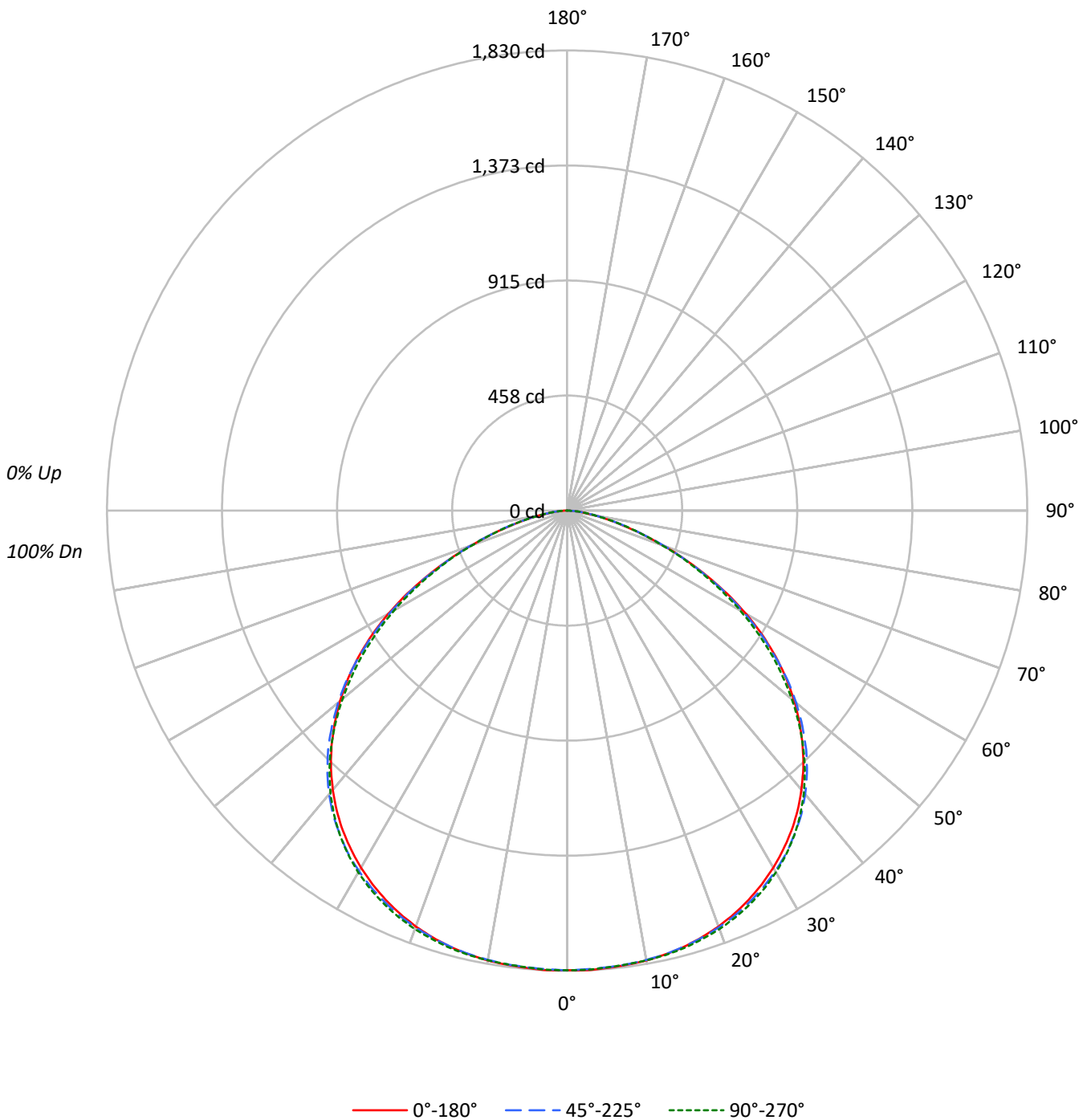
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5284.0 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 51.8
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				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	99	96	93		95	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48		59	52	47		57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42		53	47	42		52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37		48	42	37		47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5356	5356	5356
5°	5370	5363	5365
10°	5406	5398	5404
15°	5448	5446	5462
20°	5488	5500	5523
25°	5521	5553	5578
30°	5548	5601	5621
35°	5562	5634	5637
40°	5545	5634	5603
45°	5490	5569	5501
50°	5378	5418	5318
55°	5170	5147	5050
60°	4812	4758	4659
65°	4244	4203	4122
70°	3476	3493	3420
75°	2633	2722	2700
80°	1908	1984	1952
85°	1251	1298	1385



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.8	3.3
10°-20°	507.7	9.6
20°-30°	791.5	15.0
30°-40°	981.0	18.6
40°-50°	1026.5	19.4
50°-60°	894.5	16.9
60°-70°	599.2	11.3
70°-80°	259.8	4.9
80°-90°	50.0	0.9
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°	1473.0	27.9
0°-40°	2454.0	46.4
0°-60°	4375.0	82.8
0°-90°	5284.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5284.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1828	1828	1828	1828	1828	
5°	1826	1824	1823	1823	1824	174
15°	1796	1793	1795	1797	1801	507
25°	1708	1708	1718	1723	1725	787
35°	1555	1561	1575	1577	1576	972
45°	1325	1332	1344	1333	1328	1020
55°	1012	1011	1008	996	988	901
65°	612	609	606	600	595	606
75°	233	237	240	238	238	256
85°	37	40	39	39	41	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1828.0	1828.0	1828.0	1828.0	1828.0
2.5°	1829.9	1826.6	1825.9	1825.9	1828.0
5°	1825.9	1824.0	1823.3	1822.8	1824.0
7.5°	1822.1	1819.5	1820.2	1818.8	1820.2
10°	1816.9	1814.3	1814.3	1814.3	1816.2
12.5°	1807.7	1805.8	1806.5	1807.7	1810.3
15°	1795.9	1793.3	1795.4	1797.3	1800.6
17.5°	1779.5	1777.6	1780.9	1784.2	1786.8
20°	1760.1	1758.0	1763.9	1768.6	1771.2
22.5°	1735.8	1735.3	1743.1	1748.3	1750.2
25°	1707.8	1708.3	1717.5	1722.7	1725.4
27.5°	1675.7	1677.1	1688.9	1693.4	1696.0
30°	1639.9	1643.0	1655.5	1659.3	1661.4
32.5°	1599.2	1603.9	1618.9	1621.5	1621.5
35°	1555.0	1560.7	1575.1	1577.0	1575.8
37.5°	1505.3	1511.7	1528.0	1525.4	1523.5
40°	1449.7	1456.8	1473.1	1467.9	1464.8
42.5°	1390.3	1397.4	1411.8	1404.0	1399.3
45°	1325.0	1332.1	1343.9	1332.8	1327.6
47.5°	1254.3	1262.8	1268.7	1256.4	1249.8
50°	1179.9	1182.5	1188.5	1174.0	1166.7
52.5°	1098.8	1098.8	1103.5	1087.7	1079.2
55°	1012.0	1011.3	1007.5	996.3	988.5
57.5°	919.9	915.9	913.3	901.5	892.5
60°	821.2	815.3	812.0	802.3	795.0
62.5°	718.1	714.8	710.8	703.0	695.1
65°	612.1	608.8	606.2	600.5	594.6
67.5°	507.0	504.9	504.9	501.1	500.4
70°	405.8	407.0	407.7	407.7	399.2
72.5°	314.2	314.9	318.2	315.6	314.9
75°	232.6	236.6	240.4	238.5	238.5
77.5°	167.3	173.2	173.2	171.8	169.9
80°	113.1	115.7	117.6	116.9	115.7
82.5°	71.9	73.8	71.9	73.1	73.8
85°	37.2	39.8	38.6	39.3	41.2
87.5°	12.3	13.7	14.4	13.7	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)