

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: P737747

Luminaire Tested: **14PT-20-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737747
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PW1-L930
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

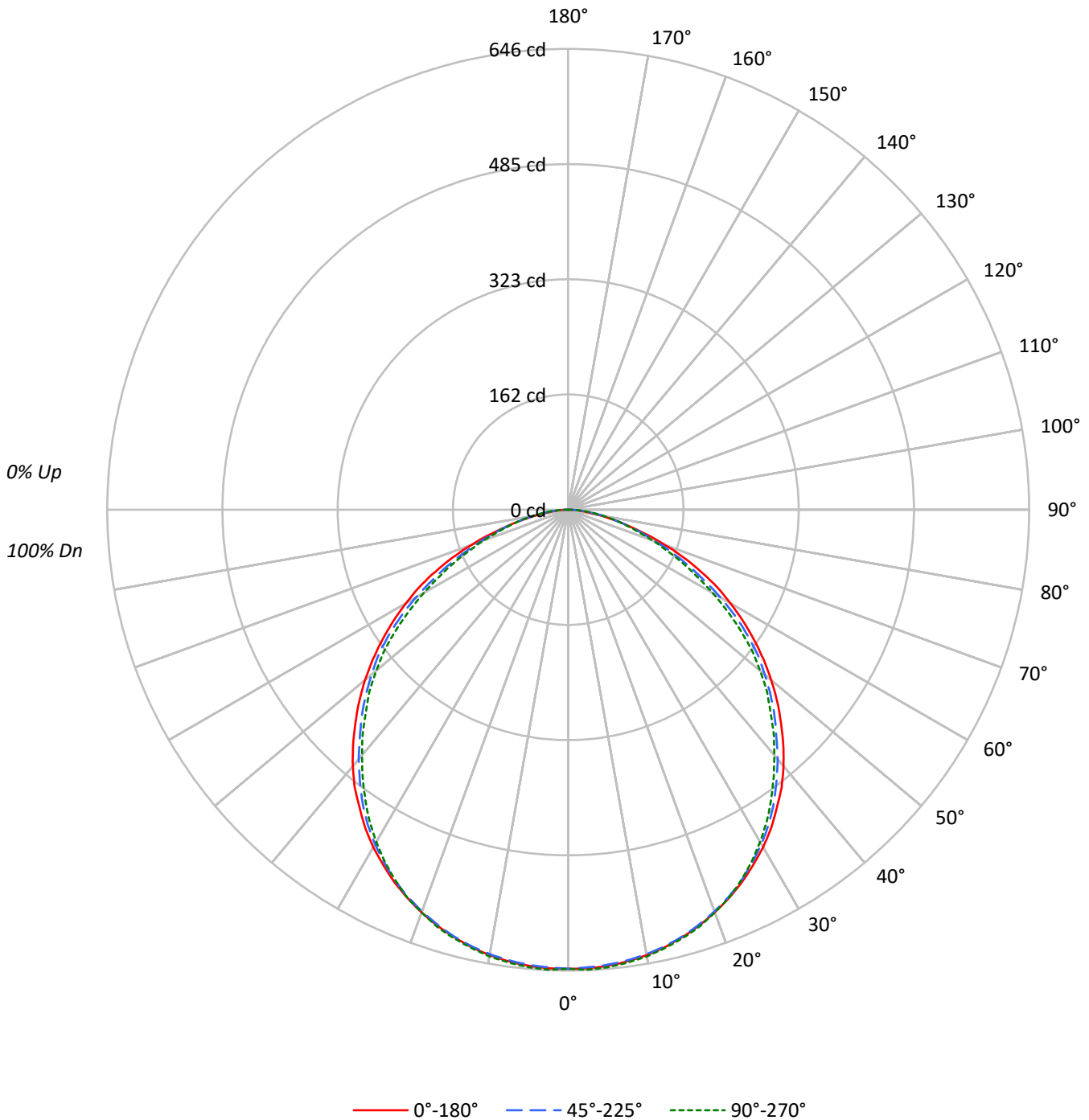
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1708.0 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 16.2
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1930	1930	1930
5°	1931	1927	1937
10°	1930	1926	1936
15°	1924	1922	1929
20°	1917	1912	1917
25°	1906	1898	1896
30°	1891	1875	1861
35°	1866	1838	1815
40°	1837	1787	1759
45°	1787	1734	1699
50°	1733	1676	1637
55°	1660	1604	1540
60°	1575	1482	1404
65°	1456	1323	1257
70°	1262	1152	1108
75°	1008	986	958
80°	767	856	856
85°	568	729	729



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.0	3.6
10°-20°	175.1	10.2
20°-30°	264.6	15.5
30°-40°	314.2	18.4
40°-50°	316.5	18.5
50°-60°	273.6	16.0
60°-70°	187.0	10.9
70°-80°	92.2	5.4
80°-90°	23.9	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°	500.7	29.3
0°-40°	814.8	47.7
0°-60°	1405.0	82.3
0°-90°	1708.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1708.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	644	644	644	644	644	
5°	642	642	640	643	644	61
15°	620	621	619	621	622	175
25°	576	576	574	574	573	265
35°	510	508	502	498	496	319
45°	421	417	409	404	401	325
55°	318	317	307	298	295	284
65°	205	198	186	178	177	203
75°	87	86	85	85	83	95
85°	16	19	21	22	21	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	643.6	643.6	643.6	643.6	643.6
2.5°	643.4	643.6	642.0	644.8	645.5
5°	641.7	642.0	640.3	642.9	643.6
7.5°	638.6	639.1	637.2	639.8	640.3
10°	634.1	634.3	632.7	635.3	635.8
12.5°	627.9	628.1	626.7	629.1	629.1
15°	620.0	620.7	619.1	621.2	621.5
17.5°	611.2	611.4	609.8	612.2	612.6
20°	600.7	600.7	599.3	601.2	600.7
22.5°	589.0	589.0	587.4	588.3	588.8
25°	576.1	575.7	573.8	574.2	573.3
27.5°	561.4	561.4	558.0	558.0	556.3
30°	546.3	545.1	541.6	539.4	537.7
32.5°	529.2	527.5	523.0	519.1	518.0
35°	509.8	508.2	502.2	497.7	495.8
37.5°	491.2	487.4	479.6	475.0	472.9
40°	469.5	464.8	456.7	450.5	449.5
42.5°	446.2	442.4	431.9	427.3	426.1
45°	421.4	416.8	409.0	404.2	400.6
47.5°	397.1	393.7	384.7	378.9	377.7
50°	371.5	368.7	359.4	353.2	351.0
52.5°	345.1	343.2	335.3	327.4	324.8
55°	317.6	316.7	306.9	297.8	294.7
57.5°	290.7	289.5	277.3	266.8	264.0
60°	262.6	259.0	247.1	237.3	234.2
62.5°	235.8	228.2	215.3	207.7	204.1
65°	205.3	197.9	186.5	178.4	177.2
67.5°	175.3	166.5	157.6	152.6	148.8
70°	144.0	138.1	131.4	127.1	126.4
72.5°	114.9	110.6	107.3	104.7	102.5
75°	87.0	86.3	85.1	85.1	82.7
77.5°	63.9	65.6	66.5	66.3	66.8
80°	44.4	47.7	49.6	49.8	49.6
82.5°	28.1	32.0	35.1	35.5	36.0
85°	16.5	19.3	21.2	21.7	21.2
87.5°	7.4	9.3	9.8	10.3	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)