

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: P737723

Luminaire Tested: **14PT-20-PL1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737723
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PL1-L930
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

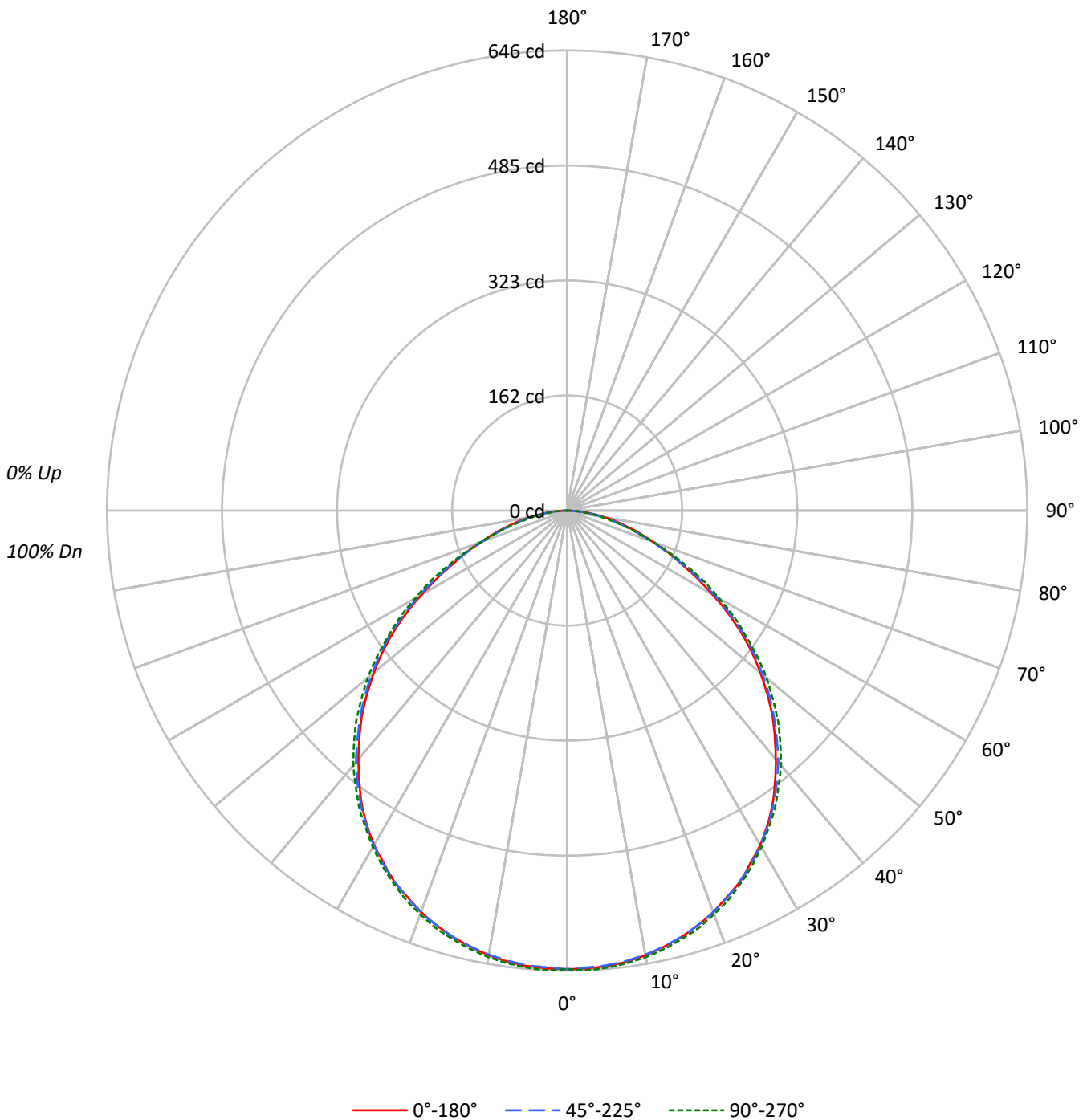
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1697.0 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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

TEST NUMBER: P737723
CATALOG NUMBER: 14PT-20-PL1-L930

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		94	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	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	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1930	1930	1930
5°	1932	1928	1939
10°	1929	1927	1938
15°	1923	1923	1932
20°	1914	1914	1924
25°	1901	1898	1909
30°	1877	1879	1888
35°	1841	1848	1863
40°	1784	1805	1828
45°	1728	1743	1776
50°	1652	1670	1703
55°	1556	1581	1599
60°	1411	1441	1477
65°	1254	1268	1318
70°	1120	1097	1125
75°	1011	953	934
80°	919	853	758
85°	781	705	609



TEST NUMBER: P737723

CATALOG NUMBER: 14PT-20-PL1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.1	3.6
10°-20°	175.2	10.3
20°-30°	264.9	15.6
30°-40°	315.8	18.6
40°-50°	317.6	18.7
50°-60°	269.5	15.9
60°-70°	179.4	10.6
70°-80°	89.6	5.3
80°-90°	24.0	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°	501.2	29.5
0°-40°	816.9	48.1
0°-60°	1404.0	82.7
0°-90°	1697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1697.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	644	644	644	644	644	
5°	642	642	641	644	644	61
15°	620	620	619	622	622	175
25°	575	575	574	576	577	264
35°	503	504	505	508	509	314
45°	408	408	411	416	419	314
55°	298	300	302	305	306	265
65°	177	178	179	181	186	177
75°	87	86	82	80	81	94
85°	23	22	20	19	18	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	643.8	643.8	643.8	643.8	643.8
2.5°	643.3	643.8	642.1	645.2	645.9
5°	641.9	642.1	640.7	643.5	644.2
7.5°	638.8	639.0	637.6	640.7	641.1
10°	633.7	634.2	633.0	635.9	636.6
12.5°	627.3	628.0	626.8	629.9	630.4
15°	619.7	620.4	619.4	622.1	622.5
17.5°	610.4	610.8	610.4	612.8	614.2
20°	599.9	599.9	599.9	602.0	603.2
22.5°	586.8	587.9	587.5	590.3	591.5
25°	574.6	574.6	573.9	576.5	577.0
27.5°	557.7	559.6	559.3	561.7	562.2
30°	542.2	542.6	542.9	544.5	545.5
32.5°	523.3	523.8	524.5	526.9	527.1
35°	503.0	503.5	504.9	508.5	509.0
37.5°	479.4	482.0	483.2	487.1	487.5
40°	455.8	457.5	461.1	465.1	467.0
42.5°	431.7	433.6	435.8	441.3	442.9
45°	407.6	408.3	411.0	416.5	418.8
47.5°	380.9	383.1	385.4	390.2	391.6
50°	354.2	356.6	358.0	362.3	365.2
52.5°	327.2	329.4	331.1	333.7	336.6
55°	297.7	299.8	302.4	305.3	306.0
57.5°	267.6	270.0	271.7	274.8	277.9
60°	235.4	238.0	240.4	243.3	246.4
62.5°	205.4	206.6	208.9	213.7	218.2
65°	176.7	178.2	178.7	181.3	185.8
67.5°	152.9	152.9	150.7	151.7	156.7
70°	127.8	126.9	125.2	124.3	128.3
72.5°	107.6	106.4	102.8	101.1	103.3
75°	87.3	86.1	82.3	80.4	80.6
77.5°	70.1	68.2	65.1	61.8	61.1
80°	53.2	52.5	49.4	46.3	43.9
82.5°	37.7	36.0	34.3	32.4	30.5
85°	22.7	22.2	20.5	19.3	17.7
87.5°	9.3	9.3	8.8	8.3	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)