

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: P737725

Luminaire Tested: **14PT-20-PL1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737725
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-L940
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

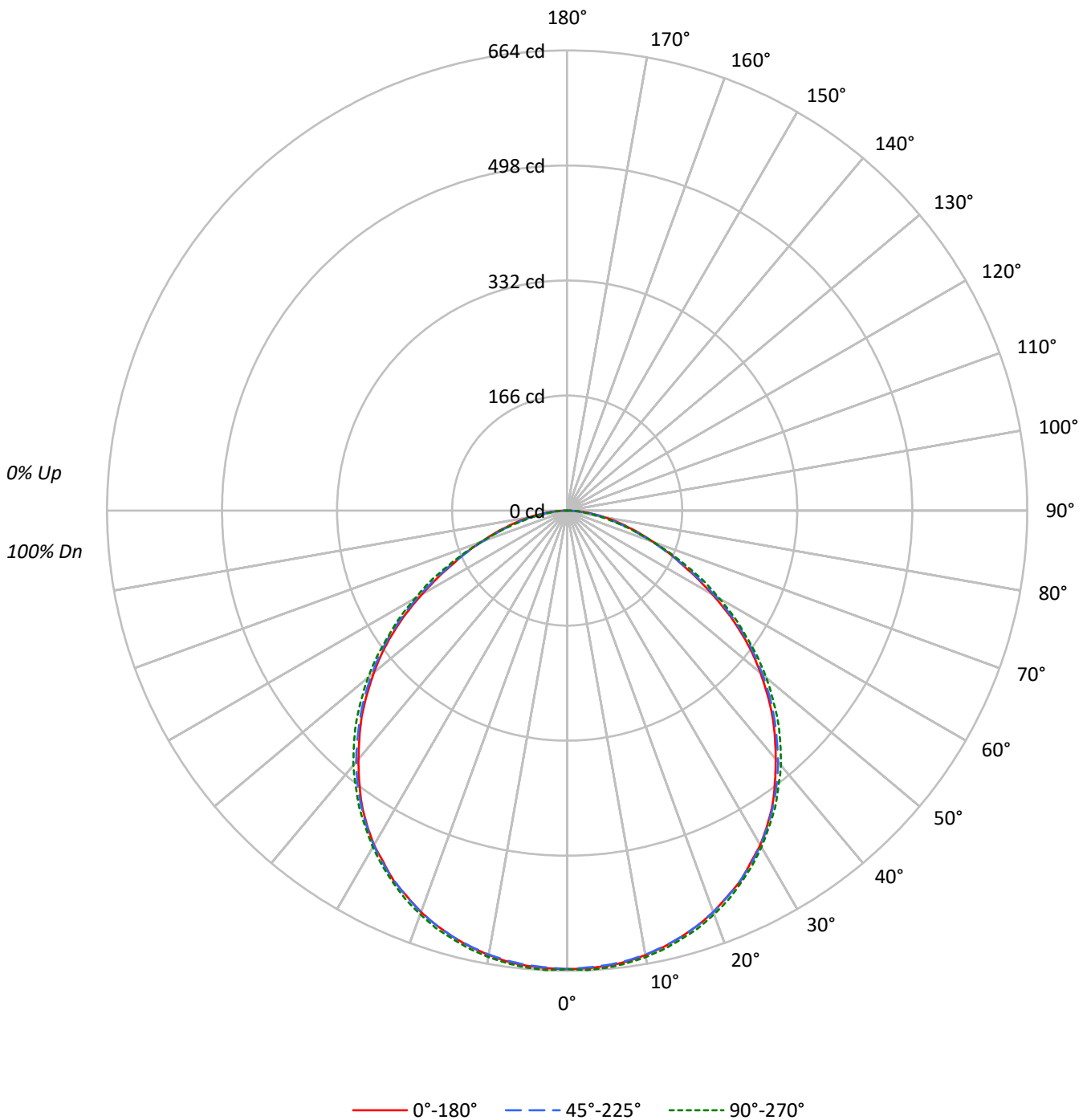
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1744.0 lumens
Efficiency: N/A
Efficacy: 107.7 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 (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	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°	1984	1984	1984
5°	1985	1981	1993
10°	1983	1981	1992
15°	1977	1976	1986
20°	1967	1967	1978
25°	1953	1951	1962
30°	1929	1931	1941
35°	1892	1899	1915
40°	1833	1854	1879
45°	1776	1791	1825
50°	1698	1716	1750
55°	1599	1625	1644
60°	1450	1482	1518
65°	1288	1302	1355
70°	1152	1128	1156
75°	1039	980	960
80°	944	875	779
85°	801	726	623



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	3.6
10°-20°	180.0	10.3
20°-30°	272.3	15.6
30°-40°	324.5	18.6
40°-50°	326.3	18.7
50°-60°	277.0	15.9
60°-70°	184.4	10.6
70°-80°	92.1	5.3
80°-90°	24.6	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°	515.0	29.5
0°-40°	839.6	48.1
0°-60°	1442.9	82.7
0°-90°	1744.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1744.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	662	662	662	662	662	
5°	660	660	658	661	662	63
15°	637	638	637	639	640	180
25°	590	590	590	592	593	272
35°	517	518	519	523	523	322
45°	419	420	422	428	430	322
55°	306	308	311	314	314	273
65°	182	183	184	186	191	182
75°	90	88	85	83	83	96
85°	23	23	21	20	18	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	661.6	661.6	661.6	661.6	661.6
2.5°	661.1	661.6	659.9	663.1	663.8
5°	659.6	659.9	658.4	661.3	662.1
7.5°	656.4	656.7	655.2	658.4	658.9
10°	651.3	651.8	650.6	653.5	654.2
12.5°	644.7	645.4	644.2	647.4	647.9
15°	636.8	637.6	636.6	639.3	639.8
17.5°	627.3	627.8	627.3	629.7	631.2
20°	616.5	616.5	616.5	618.7	619.9
22.5°	603.0	604.2	603.7	606.7	607.9
25°	590.5	590.5	589.8	592.5	593.0
27.5°	573.1	575.1	574.8	577.3	577.8
30°	557.2	557.7	557.9	559.6	560.6
32.5°	537.8	538.3	539.0	541.5	541.7
35°	517.0	517.5	518.9	522.6	523.1
37.5°	492.7	495.4	496.6	500.5	501.0
40°	468.4	470.1	473.8	478.0	480.0
42.5°	443.7	445.6	447.8	453.5	455.2
45°	418.9	419.7	422.4	428.0	430.4
47.5°	391.5	393.7	396.1	401.0	402.5
50°	364.0	366.5	367.9	372.3	375.3
52.5°	336.3	338.5	340.2	342.9	345.9
55°	305.9	308.1	310.8	313.8	314.5
57.5°	275.0	277.5	279.2	282.4	285.6
60°	241.9	244.6	247.1	250.0	253.2
62.5°	211.1	212.3	214.7	219.6	224.3
65°	181.6	183.1	183.6	186.3	191.0
67.5°	157.1	157.1	154.9	155.9	161.0
70°	131.4	130.4	128.7	127.7	131.9
72.5°	110.6	109.3	105.6	103.9	106.1
75°	89.7	88.5	84.6	82.6	82.9
77.5°	72.1	70.1	66.9	63.5	62.8
80°	54.7	53.9	50.7	47.6	45.1
82.5°	38.7	37.0	35.3	33.3	31.4
85°	23.3	22.8	21.1	19.9	18.1
87.5°	9.6	9.6	9.1	8.6	8.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)