

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: P737726

Luminaire Tested: **14PT-20-PL1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737726
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-L950
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

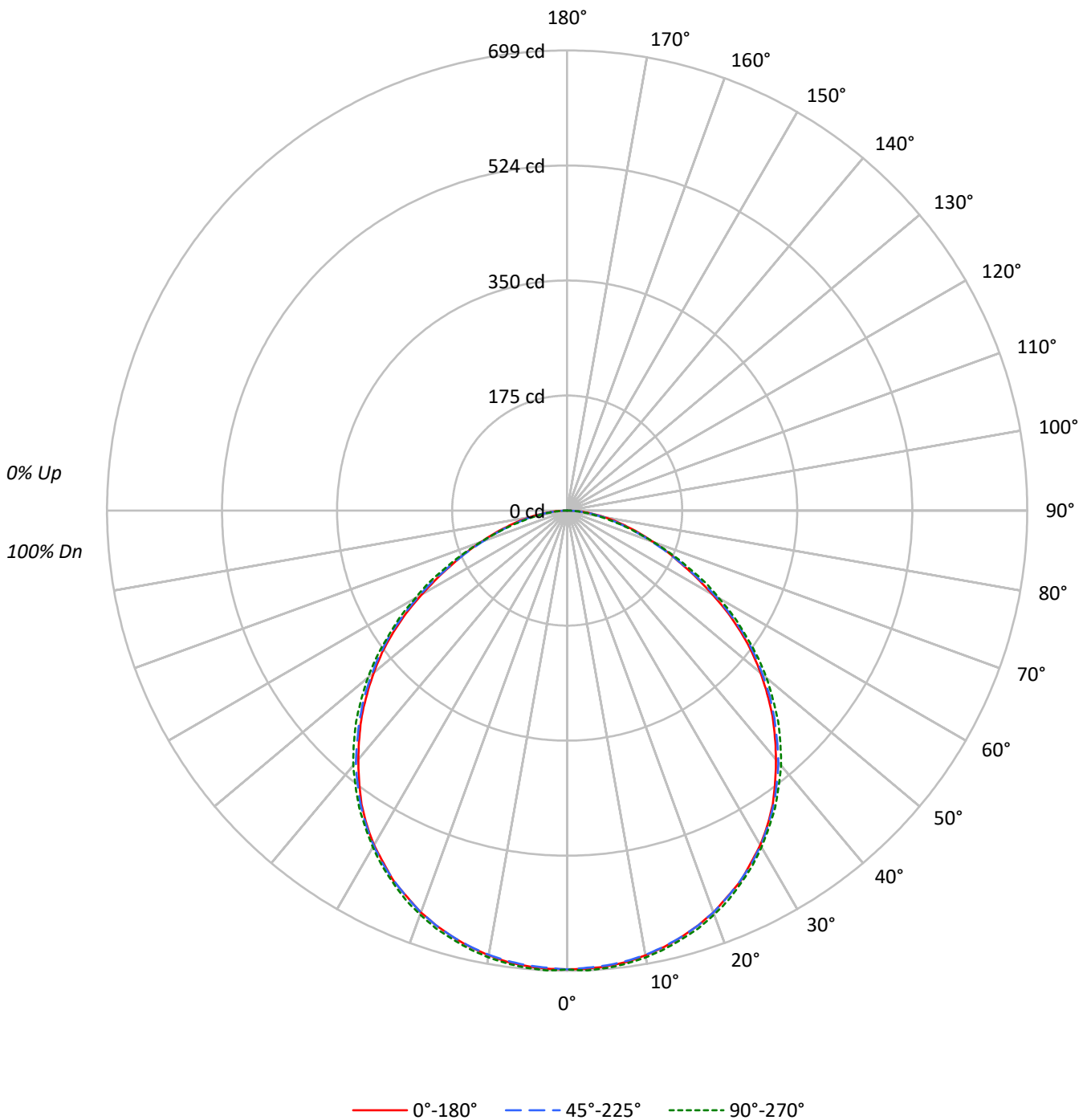
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1837.0 lumens
Efficiency: N/A
Efficacy: 113.4 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

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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°	2089	2089	2089
5°	2091	2087	2099
10°	2088	2086	2098
15°	2082	2081	2092
20°	2072	2072	2083
25°	2058	2055	2066
30°	2032	2035	2044
35°	1993	2001	2017
40°	1931	1953	1978
45°	1871	1886	1922
50°	1788	1808	1844
55°	1684	1711	1732
60°	1528	1561	1599
65°	1357	1372	1427
70°	1213	1189	1218
75°	1095	1032	1011
80°	994	922	820
85°	843	764	657



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	3.6
10°-20°	189.6	10.3
20°-30°	286.8	15.6
30°-40°	341.8	18.6
40°-50°	343.7	18.7
50°-60°	291.7	15.9
60°-70°	194.2	10.6
70°-80°	97.0	5.3
80°-90°	25.9	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°	542.5	29.5
0°-40°	884.3	48.1
0°-60°	1519.8	82.7
0°-90°	1837.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1837.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	697	697	697	697	697	
5°	695	695	694	697	697	66
15°	671	672	670	673	674	189
25°	622	622	621	624	625	286
35°	544	545	547	550	551	340
45°	441	442	445	451	453	339
55°	322	325	327	330	331	287
65°	191	193	193	196	201	192
75°	94	93	89	87	87	101
85°	24	24	22	21	19	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	696.9	696.9	696.9	696.9	696.9
2.5°	696.4	696.9	695.1	698.4	699.2
5°	694.8	695.1	693.5	696.6	697.4
7.5°	691.5	691.7	690.2	693.5	694.0
10°	686.0	686.5	685.3	688.4	689.1
12.5°	679.1	679.8	678.5	681.9	682.4
15°	670.8	671.6	670.5	673.4	673.9
17.5°	660.7	661.2	660.7	663.3	664.9
20°	649.4	649.4	649.4	651.7	653.0
22.5°	635.2	636.5	635.9	639.0	640.3
25°	622.0	622.0	621.2	624.1	624.6
27.5°	603.7	605.7	605.5	608.1	608.6
30°	586.9	587.4	587.7	589.5	590.5
32.5°	566.5	567.0	567.8	570.4	570.6
35°	544.5	545.1	546.6	550.5	551.0
37.5°	519.0	521.8	523.1	527.2	527.8
40°	493.4	495.2	499.1	503.5	505.5
42.5°	467.3	469.4	471.7	477.7	479.5
45°	441.3	442.0	444.9	450.8	453.4
47.5°	412.3	414.7	417.2	422.4	424.0
50°	383.4	386.0	387.6	392.2	395.3
52.5°	354.2	356.6	358.4	361.2	364.3
55°	322.2	324.6	327.4	330.5	331.3
57.5°	289.7	292.3	294.1	297.4	300.8
60°	254.8	257.7	260.3	263.4	266.7
62.5°	222.3	223.6	226.2	231.3	236.2
65°	191.3	192.9	193.4	196.2	201.1
67.5°	165.5	165.5	163.2	164.2	169.6
70°	138.4	137.4	135.6	134.5	138.9
72.5°	116.4	115.2	111.3	109.5	111.8
75°	94.5	93.2	89.1	87.0	87.3
77.5°	75.9	73.8	70.5	66.9	66.1
80°	57.6	56.8	53.4	50.1	47.5
82.5°	40.8	39.0	37.2	35.1	33.0
85°	24.5	24.0	22.2	20.9	19.1
87.5°	10.1	10.1	9.6	9.0	8.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)