

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: P737740

Luminaire Tested: **14PT-20-PR1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737740
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PR1-L935
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

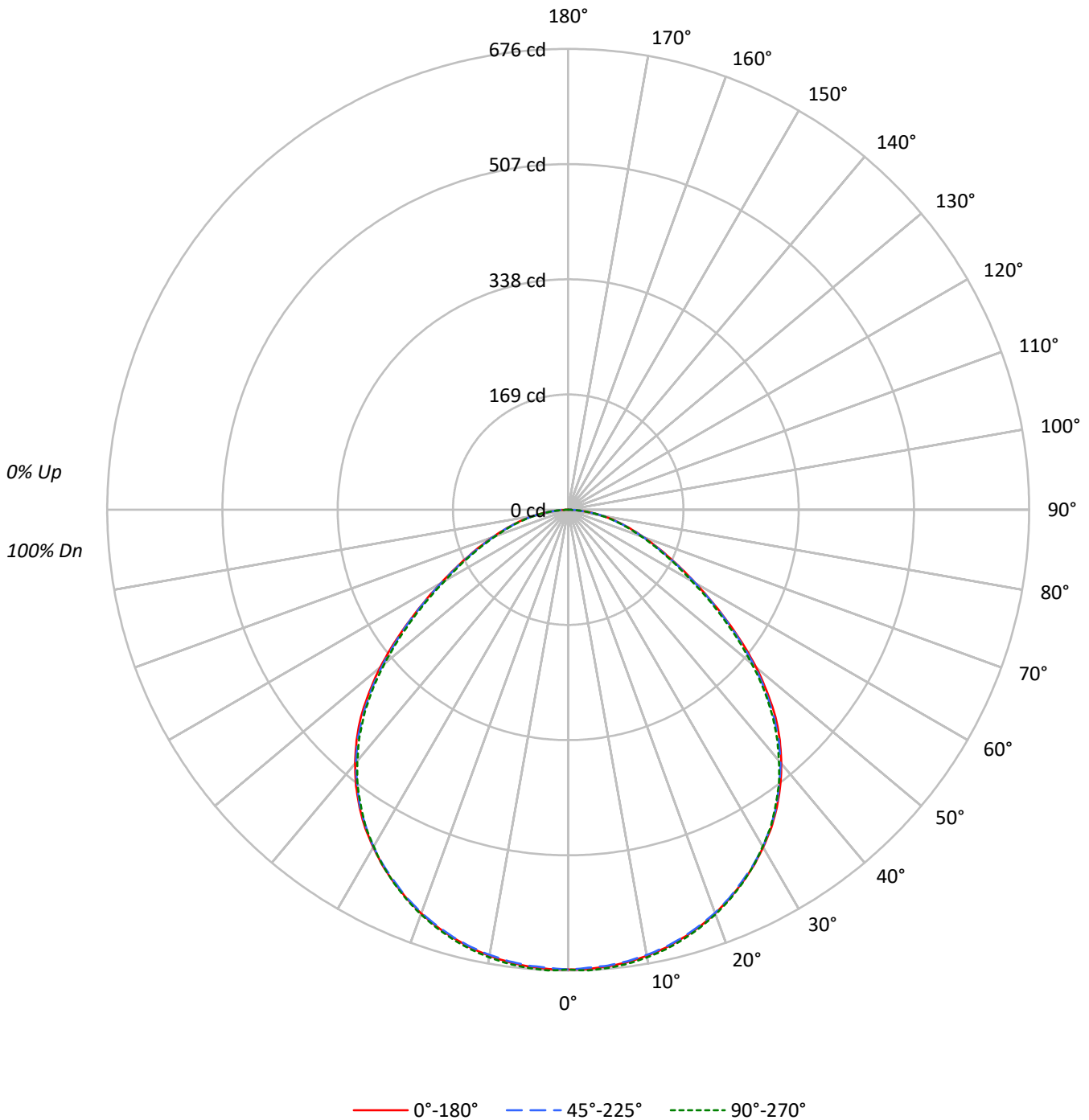
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1706.0 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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 (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	110	105	101	98	107	103	99	96	99	96	93		95	92	90		91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	75	73
3	92	82	74	68	90	80	73	68	78	71	66		75	70	65		72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57		67	61	56		65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50		61	54	49		59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44		55	49	44		53	48	43	41
7	67	54	45	40	65	53	45	39	52	44	39		50	44	39		49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35		46	40	35		45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32		43	36	32		42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29		39	33	29		39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2023	2023	2023
5°	2024	2020	2031
10°	2023	2019	2030
15°	2019	2016	2026
20°	2010	2008	2016
25°	1997	1992	2000
30°	1980	1977	1975
35°	1952	1948	1940
40°	1903	1895	1882
45°	1824	1803	1790
50°	1678	1659	1639
55°	1485	1479	1449
60°	1290	1286	1251
65°	1137	1130	1108
70°	1032	1018	996
75°	954	932	916
80°	872	860	830
85°	691	681	657



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	3.8
10°-20°	183.7	10.8
20°-30°	278.2	16.3
30°-40°	332.2	19.5
40°-50°	326.7	19.1
50°-60°	252.5	14.8
60°-70°	159.2	9.3
70°-80°	86.1	5.0
80°-90°	23.5	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°	525.9	30.8
0°-40°	858.0	50.3
0°-60°	1437.2	84.2
0°-90°	1706.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1706.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	675	675	675	675	675	
5°	673	673	671	674	675	64
15°	650	651	649	652	653	184
25°	604	604	602	604	604	278
35°	533	534	532	531	530	333
45°	430	428	425	422	422	329
55°	284	286	283	278	277	255
65°	160	160	159	157	156	161
75°	82	82	80	81	79	88
85°	20	20	20	20	19	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	674.6	674.6	674.6	674.6	674.6
2.5°	674.3	674.6	672.6	675.8	676.5
5°	672.6	672.9	671.2	674.1	674.8
7.5°	669.3	669.7	668.0	670.9	671.7
10°	664.4	664.9	663.2	666.1	666.8
12.5°	658.4	658.6	657.2	659.8	660.6
15°	650.4	650.6	649.4	651.6	652.6
17.5°	641.2	641.5	639.8	642.4	642.9
20°	630.1	630.3	629.4	631.5	631.8
22.5°	617.8	618.2	616.8	618.7	619.0
25°	603.7	604.2	602.3	604.2	604.5
27.5°	589.0	589.2	587.5	589.0	588.7
30°	571.8	573.3	571.1	570.6	570.4
32.5°	553.9	554.2	552.0	551.5	552.5
35°	533.4	533.6	532.2	531.4	530.0
37.5°	510.9	510.9	508.2	507.7	507.5
40°	486.2	486.0	484.3	482.6	480.9
42.5°	459.4	459.9	456.5	453.6	453.1
45°	430.1	428.4	425.3	421.9	422.2
47.5°	395.6	396.0	391.7	389.0	388.3
50°	359.8	359.8	355.7	352.8	351.3
52.5°	322.3	322.5	318.7	314.8	314.1
55°	284.1	286.5	282.9	278.3	277.3
57.5°	248.3	250.2	246.9	242.0	241.8
60°	215.2	215.4	214.5	209.9	208.7
62.5°	186.9	185.7	185.2	182.8	181.3
65°	160.3	160.5	159.3	156.7	156.2
67.5°	138.8	138.5	136.4	134.7	133.7
70°	117.7	117.0	116.1	114.6	113.6
72.5°	98.9	98.9	98.2	97.7	96.0
75°	82.4	81.5	80.5	81.0	79.1
77.5°	66.7	65.8	65.0	64.1	63.6
80°	50.5	49.6	49.8	48.4	48.1
82.5°	35.1	35.1	34.6	33.4	33.6
85°	20.1	20.3	19.8	20.1	19.1
87.5°	7.3	7.5	8.0	7.5	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)