

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: P737738

Luminaire Tested: **14PT-20-PR1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737738
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-L850
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

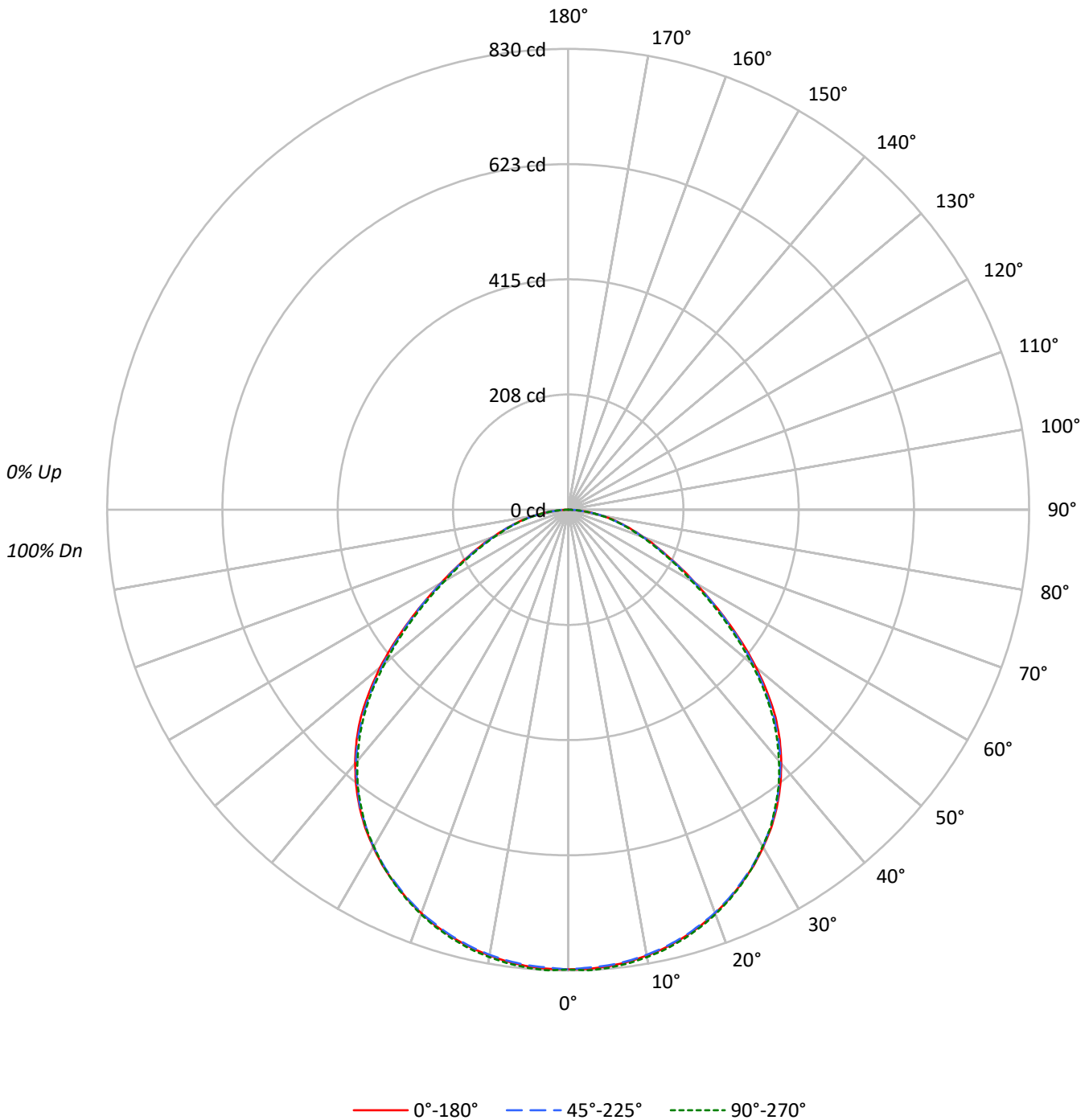
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2094.0 lumens
Efficiency: N/A
Efficacy: 129.3 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 (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: P737738
CATALOG NUMBER: 14PT-20-PR1-L850

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°	2482	2482	2482
5°	2485	2479	2493
10°	2483	2478	2492
15°	2478	2474	2486
20°	2468	2465	2474
25°	2451	2446	2454
30°	2430	2427	2424
35°	2396	2391	2381
40°	2336	2326	2310
45°	2239	2213	2197
50°	2060	2036	2011
55°	1823	1815	1779
60°	1584	1578	1536
65°	1396	1388	1360
70°	1267	1249	1223
75°	1172	1144	1124
80°	1070	1055	1020
85°	846	836	805



TEST NUMBER: P737738

CATALOG NUMBER: 14PT-20-PR1-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.5	3.8
10°-20°	225.4	10.8
20°-30°	341.5	16.3
30°-40°	407.7	19.5
40°-50°	401.0	19.1
50°-60°	309.9	14.8
60°-70°	195.4	9.3
70°-80°	105.7	5.0
80°-90°	28.9	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°	645.5	30.8
0°-40°	1053.2	50.3
0°-60°	1764.0	84.2
0°-90°	2094.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2094.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	828	828	828	828	828	
5°	826	826	824	827	828	78
15°	798	799	797	800	801	225
25°	741	742	739	742	742	342
35°	655	655	653	652	650	409
45°	528	526	522	518	518	404
55°	349	352	347	342	340	313
65°	197	197	196	192	192	198
75°	101	100	99	99	97	108
85°	25	25	24	25	23	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	828.0	828.0	828.0	828.0	828.0
2.5°	827.7	828.0	825.6	829.5	830.4
5°	825.6	825.9	823.8	827.4	828.3
7.5°	821.5	822.1	820.0	823.5	824.4
10°	815.5	816.1	814.0	817.6	818.5
12.5°	808.1	808.4	806.6	809.9	810.8
15°	798.3	798.6	797.1	799.8	801.0
17.5°	787.0	787.3	785.3	788.5	789.1
20°	773.4	773.7	772.5	775.2	775.5
22.5°	758.3	758.8	757.1	759.4	759.7
25°	741.0	741.6	739.3	741.6	741.9
27.5°	722.9	723.2	721.2	722.9	722.6
30°	701.9	703.6	701.0	700.4	700.1
32.5°	679.9	680.2	677.5	676.9	678.1
35°	654.7	655.0	653.2	652.3	650.5
37.5°	627.1	627.1	623.8	623.2	622.9
40°	596.8	596.5	594.4	592.4	590.3
42.5°	563.9	564.5	560.3	556.7	556.2
45°	528.0	525.9	522.0	517.9	518.2
47.5°	485.5	486.1	480.8	477.5	476.6
50°	441.6	441.6	436.6	433.0	431.2
52.5°	395.6	395.9	391.1	386.4	385.5
55°	348.7	351.7	347.2	341.6	340.4
57.5°	304.8	307.2	303.0	297.1	296.8
60°	264.1	264.4	263.2	257.6	256.1
62.5°	229.4	227.9	227.3	224.4	222.6
65°	196.8	197.1	195.6	192.3	191.7
67.5°	170.3	170.1	167.4	165.3	164.1
70°	144.5	143.6	142.5	140.7	139.5
72.5°	121.4	121.4	120.5	119.9	117.8
75°	101.2	100.0	98.8	99.4	97.0
77.5°	81.9	80.7	79.8	78.6	78.1
80°	62.0	60.8	61.1	59.4	59.1
82.5°	43.0	43.0	42.4	41.0	41.3
85°	24.6	24.9	24.3	24.6	23.4
87.5°	8.9	9.2	9.8	9.2	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)