

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: P737714

Luminaire Tested: **14PT-20-PC3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PC3-L850
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

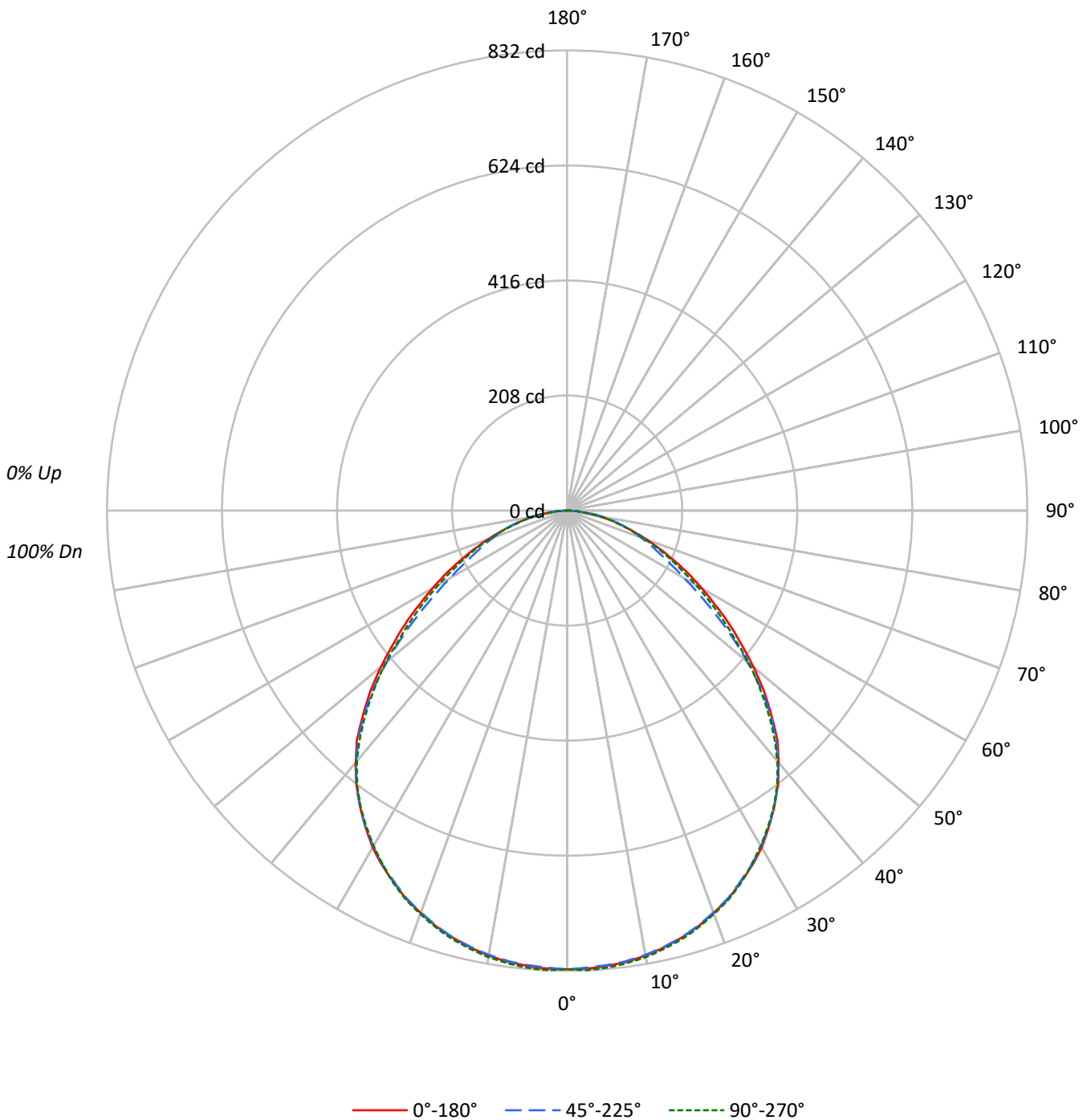
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2091.0 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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

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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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2487	2487	2487
5°	2487	2483	2497
10°	2487	2483	2496
15°	2482	2479	2490
20°	2470	2467	2477
25°	2453	2449	2459
30°	2435	2427	2423
35°	2391	2388	2384
40°	2328	2324	2314
45°	2214	2198	2175
50°	2049	1980	2002
55°	1870	1718	1795
60°	1686	1465	1608
65°	1507	1311	1446
70°	1337	1240	1300
75°	1182	1202	1158
80°	1019	1148	1013
85°	764	908	764



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	3.8
10°-20°	225.8	10.8
20°-30°	341.9	16.3
30°-40°	407.6	19.5
40°-50°	398.3	19.0
50°-60°	304.5	14.6
60°-70°	195.5	9.3
70°-80°	108.8	5.2
80°-90°	30.0	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°	646.3	30.9
0°-40°	1053.9	50.4
0°-60°	1756.7	84.0
0°-90°	2091.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2091.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	829	829	829	829	829	
5°	826	827	825	829	830	79
15°	800	800	799	801	802	226
25°	742	742	740	743	743	342
35°	653	654	653	652	651	408
45°	522	523	518	517	513	402
55°	358	345	329	333	344	320
65°	212	196	185	191	204	212
75°	102	103	104	102	100	109
85°	22	26	26	26	22	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	829.4	829.4	829.4	829.4	829.4
2.5°	828.8	829.1	827.1	830.6	831.8
5°	826.5	827.1	825.0	828.8	829.7
7.5°	822.9	823.5	821.4	825.3	825.6
10°	817.0	817.3	815.5	819.4	819.9
12.5°	809.0	809.9	807.8	811.3	811.6
15°	799.5	800.1	798.6	801.3	802.1
17.5°	788.2	788.5	787.0	790.0	790.3
20°	774.3	774.3	773.1	776.3	776.3
22.5°	760.0	759.1	758.8	760.0	761.8
25°	741.6	742.5	740.4	742.8	743.4
27.5°	723.8	723.8	722.1	723.2	721.8
30°	703.4	702.2	701.0	701.3	699.8
32.5°	678.7	678.7	678.1	678.1	676.4
35°	653.2	653.8	652.6	652.3	651.4
37.5°	625.9	626.8	624.7	624.2	623.6
40°	594.8	594.8	593.9	592.7	591.2
42.5°	562.5	562.5	558.6	555.6	553.6
45°	522.1	523.3	518.3	517.1	512.9
47.5°	482.1	481.2	474.3	473.5	471.1
50°	439.3	434.3	424.5	427.2	429.3
52.5°	396.6	390.4	376.2	379.1	382.7
55°	357.8	345.3	328.7	332.8	343.5
57.5°	317.1	300.5	283.9	291.6	305.0
60°	281.2	262.5	244.4	252.7	268.2
62.5°	246.8	226.9	212.4	220.4	233.5
65°	212.4	196.1	184.8	191.0	203.8
67.5°	181.0	170.0	162.3	165.2	175.6
70°	152.5	145.7	141.5	142.4	148.3
72.5°	125.5	123.7	122.2	122.2	122.8
75°	102.0	102.9	103.8	102.3	100.0
77.5°	80.4	83.4	85.4	82.5	79.5
80°	59.0	63.8	66.5	63.2	58.7
82.5°	40.3	45.7	46.6	44.5	39.5
85°	22.2	26.1	26.4	25.5	22.2
87.5°	8.3	9.8	10.7	9.8	8.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)