

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: P737706

Luminaire Tested: **14PT-20-PB1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737706
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PB1-L850
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

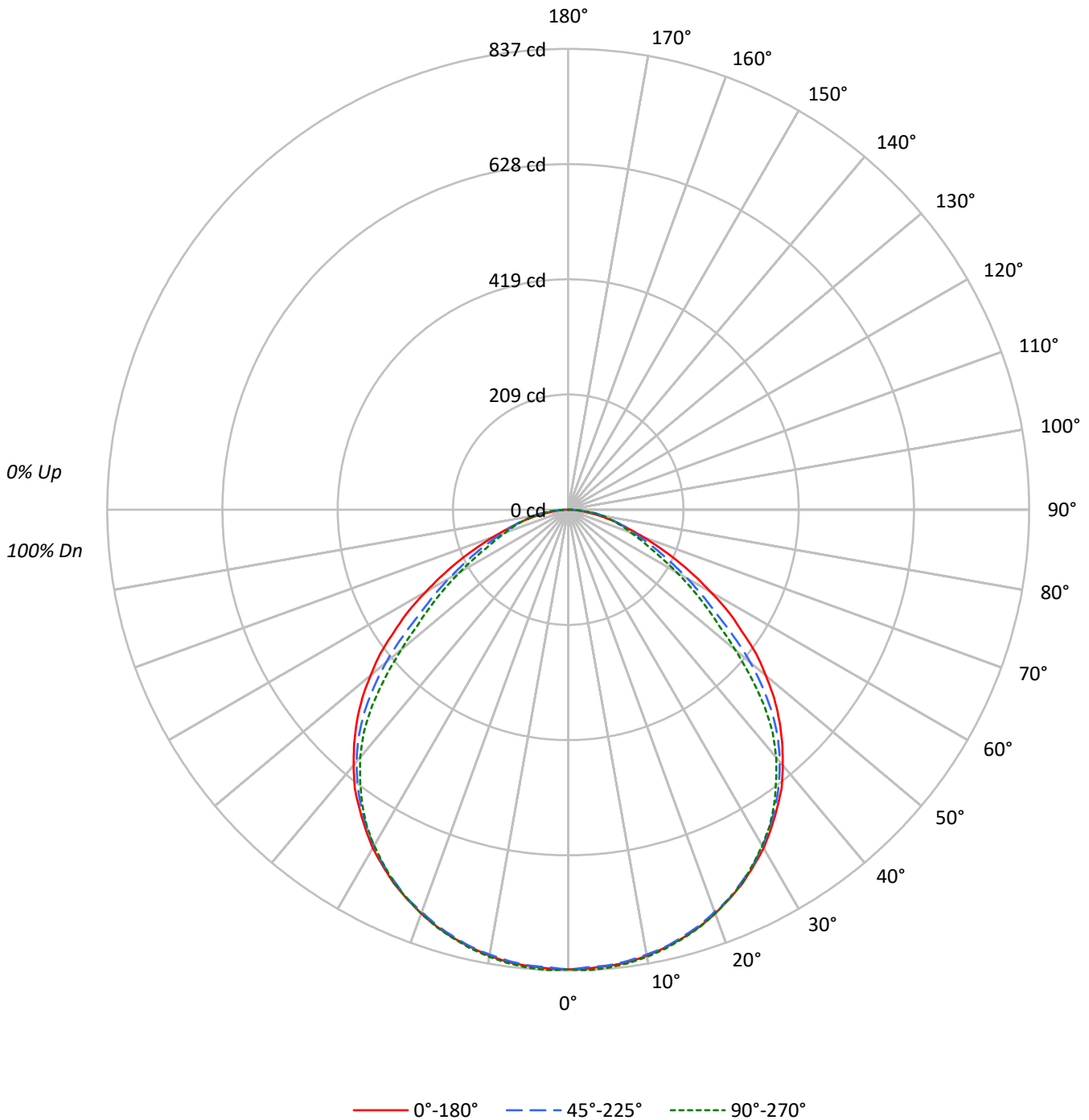
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2082.0 lumens
Efficiency: N/A
Efficacy: 128.5 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	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2503	2503	2503
5°	2504	2501	2513
10°	2504	2498	2511
15°	2499	2493	2502
20°	2490	2481	2490
25°	2477	2466	2473
30°	2457	2443	2439
35°	2421	2402	2387
40°	2371	2339	2299
45°	2299	2225	2134
50°	2184	2017	1844
55°	2013	1712	1589
60°	1792	1497	1361
65°	1537	1297	1158
70°	1269	1143	1062
75°	1070	1095	1036
80°	905	1117	1064
85°	705	1132	991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	3.8
10°-20°	227.2	10.9
20°-30°	344.1	16.5
30°-40°	410.0	19.7
40°-50°	401.0	19.3
50°-60°	303.3	14.6
60°-70°	186.3	8.9
70°-80°	99.3	4.8
80°-90°	31.7	1.5
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°	650.4	31.2
0°-40°	1060.5	50.9
0°-60°	1764.7	84.8
0°-90°	2082.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2082.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	835	835	835	835	835	
5°	832	833	831	834	835	79
15°	805	806	803	806	806	227
25°	749	748	746	747	748	345
35°	661	660	656	653	652	414
45°	542	539	525	507	503	417
55°	385	366	328	309	304	345
65°	217	199	183	168	163	216
75°	92	94	94	91	89	99
85°	20	27	33	31	29	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	835.0	835.0	835.0	835.0	835.0
2.5°	833.9	835.0	831.9	836.0	837.0
5°	831.9	832.9	830.9	833.9	835.0
7.5°	828.8	828.8	826.7	829.8	830.9
10°	822.6	822.6	820.6	823.7	824.7
12.5°	814.4	814.4	813.4	815.5	816.5
15°	805.2	806.2	803.1	806.2	806.2
17.5°	793.9	792.9	791.8	793.9	794.9
20°	780.5	780.5	777.5	779.5	780.5
22.5°	765.1	765.1	764.1	765.1	764.1
25°	748.7	747.7	745.6	746.6	747.7
27.5°	729.2	729.2	727.1	727.1	726.1
30°	709.7	708.6	705.6	703.5	704.5
32.5°	686.0	685.0	681.9	679.9	680.9
35°	661.4	660.4	656.3	653.2	652.2
37.5°	636.7	633.7	628.5	624.4	620.3
40°	605.9	602.9	597.7	588.5	587.5
42.5°	575.1	572.0	563.8	552.5	549.5
45°	542.3	539.2	524.8	507.3	503.2
47.5°	507.3	502.2	479.6	458.0	449.8
50°	468.3	459.1	432.4	404.6	395.4
52.5°	430.3	413.9	379.0	354.3	345.1
55°	385.1	365.6	327.6	309.1	304.0
57.5°	345.1	318.4	287.6	269.1	265.0
60°	298.9	274.2	249.6	233.1	227.0
62.5°	256.8	235.2	214.6	200.3	193.1
65°	216.7	199.2	182.8	168.4	163.3
67.5°	177.7	168.4	155.1	143.8	140.7
70°	144.8	139.7	130.4	125.3	121.2
72.5°	115.0	117.1	110.9	108.9	105.8
75°	92.4	93.5	94.5	91.4	89.4
77.5°	69.8	75.0	79.1	77.0	75.0
80°	52.4	57.5	64.7	61.6	61.6
82.5°	35.9	42.1	48.3	46.2	45.2
85°	20.5	26.7	32.9	30.8	28.8
87.5°	8.2	13.4	14.4	14.4	13.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)