

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: P737705

Luminaire Tested: **14PT-20-PB1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737705
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-L840
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

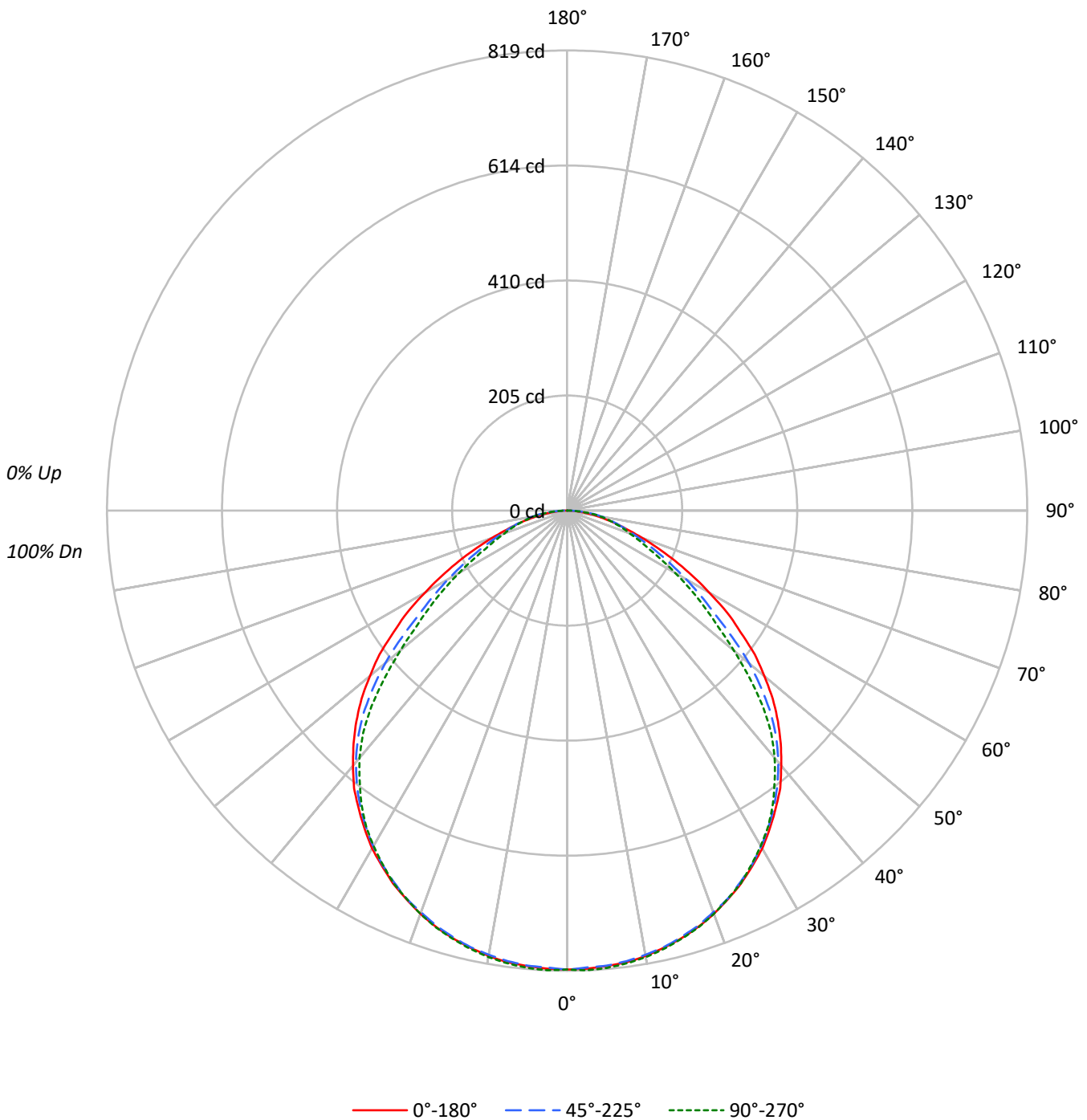
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2037.0 lumens
Efficiency: N/A
Efficacy: 125.7 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 (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	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°	2449	2449	2449
5°	2449	2446	2458
10°	2450	2444	2456
15°	2445	2439	2448
20°	2437	2427	2437
25°	2423	2413	2420
30°	2404	2390	2386
35°	2368	2350	2335
40°	2320	2289	2250
45°	2249	2177	2088
50°	2137	1973	1805
55°	1970	1675	1555
60°	1753	1464	1332
65°	1504	1269	1134
70°	1242	1119	1040
75°	1047	1070	1012
80°	884	1093	1041
85°	691	1108	967



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.5	3.8
10°-20°	222.3	10.9
20°-30°	336.7	16.5
30°-40°	401.2	19.7
40°-50°	392.3	19.3
50°-60°	296.7	14.6
60°-70°	182.3	8.9
70°-80°	97.1	4.8
80°-90°	31.0	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°	636.4	31.2
0°-40°	1037.6	50.9
0°-60°	1726.6	84.8
0°-90°	2037.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2037.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	817	817	817	817	817	
5°	814	815	813	816	817	77
15°	788	789	786	789	789	222
25°	732	732	730	730	732	337
35°	647	646	642	639	638	405
45°	530	528	514	496	492	408
55°	377	358	320	302	297	337
65°	212	195	179	165	160	211
75°	90	91	92	89	87	97
85°	20	26	32	30	28	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	816.9	816.9	816.9	816.9	816.9
2.5°	815.9	816.9	813.9	817.9	818.9
5°	813.9	814.9	812.9	815.9	816.9
7.5°	810.9	810.9	808.9	811.9	812.9
10°	804.9	804.9	802.8	805.9	806.9
12.5°	796.8	796.8	795.8	797.8	798.8
15°	787.8	788.8	785.8	788.8	788.8
17.5°	776.7	775.7	774.7	776.7	777.7
20°	763.7	763.7	760.6	762.7	763.7
22.5°	748.6	748.6	747.6	748.6	747.6
25°	732.5	731.5	729.5	730.5	731.5
27.5°	713.4	713.4	711.4	711.4	710.4
30°	694.3	693.3	690.3	688.3	689.3
32.5°	671.2	670.2	667.2	665.2	666.2
35°	647.1	646.1	642.1	639.1	638.1
37.5°	623.0	620.0	614.9	610.9	606.9
40°	592.8	589.8	584.8	575.8	574.8
42.5°	562.7	559.7	551.6	540.6	537.6
45°	530.5	527.5	513.5	496.4	492.4
47.5°	496.4	491.4	469.2	448.1	440.1
50°	458.2	449.2	423.0	395.9	386.9
52.5°	421.0	404.9	370.8	346.7	337.6
55°	376.8	357.7	320.5	302.5	297.4
57.5°	337.6	311.5	281.3	263.3	259.2
60°	292.4	268.3	244.2	228.1	222.1
62.5°	251.2	230.1	210.0	195.9	188.9
65°	212.0	194.9	178.9	164.8	159.8
67.5°	173.8	164.8	151.7	140.7	137.7
70°	141.7	136.7	127.6	122.6	118.6
72.5°	112.5	114.5	108.5	106.5	103.5
75°	90.4	91.4	92.4	89.4	87.4
77.5°	68.3	73.4	77.4	75.4	73.4
80°	51.2	56.3	63.3	60.3	60.3
82.5°	35.2	41.2	47.2	45.2	44.2
85°	20.1	26.1	32.2	30.1	28.1
87.5°	8.0	13.1	14.1	14.1	13.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)