

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: P412277

Luminaire Tested: **14PD-20-PB1-L930**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412277
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-56)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-20-PB1-L930
Description: 2000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

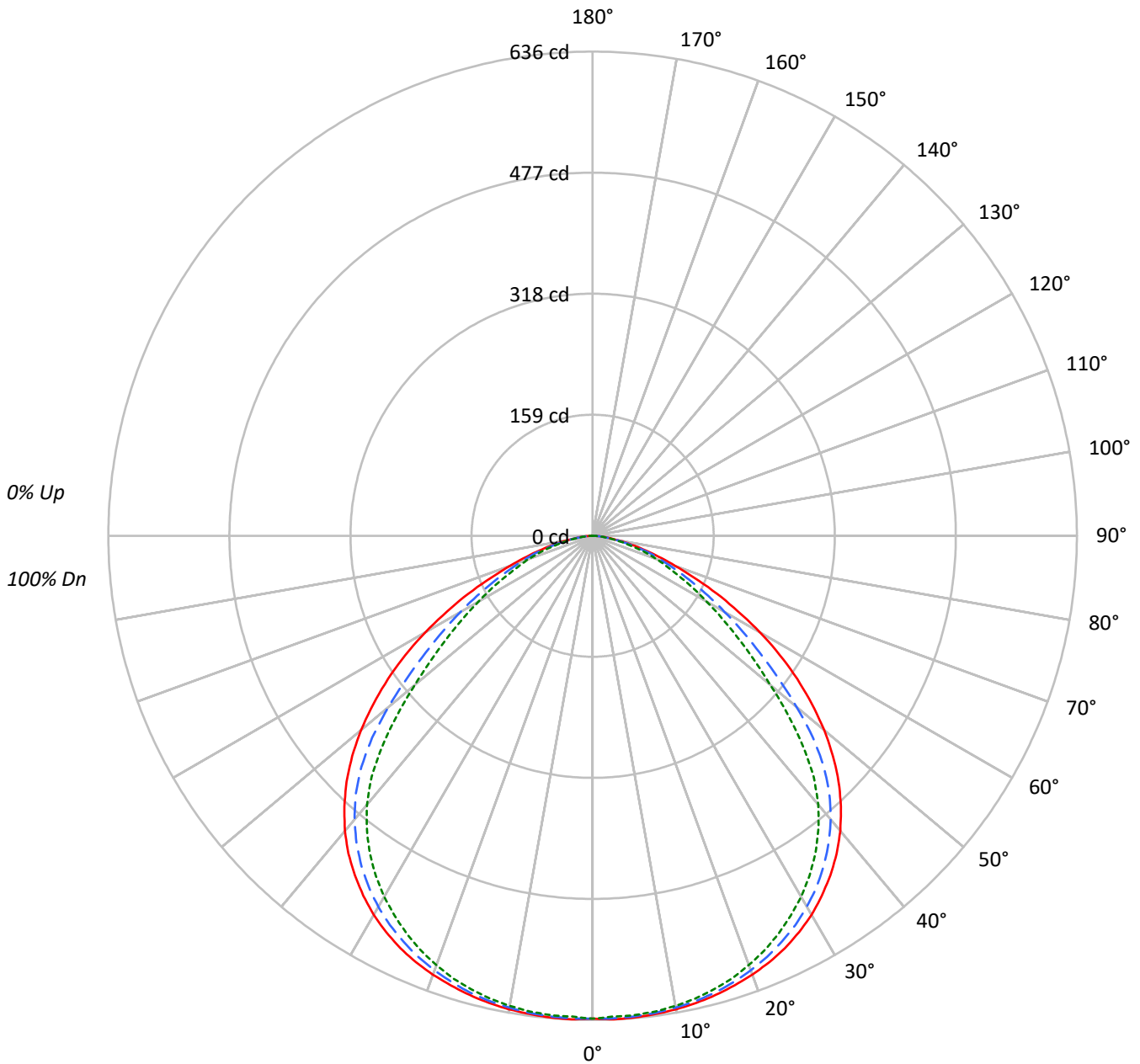
Lumens per Lamp: N/A
Luminaire Lumens: 1635.0 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 17.4
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									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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	106	102	99	107	104	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74																			
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63																			
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55																			
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48																			
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42																			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37																			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33																			
9	59	46	38	32	57	45	37	32	44	37	32	43	37	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°	1707	1707	1707
5°	1716	1712	1707
10°	1726	1720	1713
15°	1740	1731	1718
20°	1757	1739	1718
25°	1775	1746	1713
30°	1786	1748	1701
35°	1788	1739	1675
40°	1777	1709	1619
45°	1739	1635	1487
50°	1662	1464	1274
55°	1539	1255	1088
60°	1366	1077	930
65°	1147	919	797
70°	910	781	703
75°	711	637	558
80°	530	476	429
85°	352	309	284



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	3.7
10°-20°	175.3	10.7
20°-30°	270.7	16.6
30°-40°	329.4	20.1
40°-50°	326.0	19.9
50°-60°	245.6	15.0
60°-70°	147.6	9.0
70°-80°	66.5	4.1
80°-90°	13.6	0.8
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°	506.3	31.0
0°-40°	835.7	51.1
0°-60°	1407.3	86.1
0°-90°	1635.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1635.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	634	634	634	634	634	
5°	635	633	634	633	632	61
15°	624	622	621	619	617	177
25°	598	593	588	580	577	275
35°	544	538	529	516	510	340
45°	457	449	430	403	391	351
55°	328	305	268	242	232	292
65°	180	163	144	129	125	179
75°	68	65	61	56	54	75
85°	11	12	10	10	9	15
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	634.3	634.3	634.3	634.3	634.3
2.5°	635.9	633.2	634.6	634.3	632.1
5°	635.1	632.7	633.7	633.2	632.1
7.5°	633.7	631.3	632.1	631.3	630.2
10°	631.6	628.9	629.4	627.8	627.0
12.5°	628.6	625.3	625.9	623.7	622.6
15°	624.5	621.5	621.3	618.8	616.6
17.5°	619.4	616.4	614.8	612.0	609.6
20°	613.4	609.6	607.4	602.5	600.1
22.5°	606.3	602.3	598.7	592.0	589.5
25°	597.7	593.0	588.2	580.3	577.0
27.5°	587.1	582.2	576.5	567.8	562.9
30°	574.9	569.7	562.7	552.6	547.5
32.5°	560.5	554.8	547.2	535.3	529.8
35°	544.2	538.2	529.3	516.3	509.8
37.5°	526.6	519.8	509.2	493.5	487.0
40°	506.0	499.2	486.4	468.3	460.9
42.5°	482.6	475.8	460.4	438.7	429.7
45°	456.9	449.0	429.5	403.1	390.7
47.5°	428.1	418.1	392.6	360.3	347.8
50°	396.9	383.6	349.7	316.6	304.4
52.5°	363.0	346.2	307.1	277.5	265.9
55°	328.0	304.9	267.5	241.5	232.0
57.5°	291.6	264.0	232.8	210.0	201.0
60°	253.9	227.1	200.2	179.3	172.8
62.5°	215.4	193.4	171.2	151.9	148.4
65°	180.1	163.3	144.3	129.1	125.1
67.5°	144.6	135.1	120.5	110.1	105.5
70°	115.6	109.3	99.3	90.9	89.3
72.5°	90.3	86.3	82.5	75.1	72.2
75°	68.4	64.8	61.3	55.6	53.7
77.5°	49.4	48.0	45.0	41.2	40.4
80°	34.2	34.2	30.7	28.5	27.7
82.5°	21.2	23.1	19.3	17.9	17.1
85°	11.4	11.7	10.0	9.5	9.2
87.5°	4.3	4.9	4.6	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)