

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: P412621

Luminaire Tested: **14PD-20-PP3-L940**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412621
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-20-PP3-L940
Description: 2000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

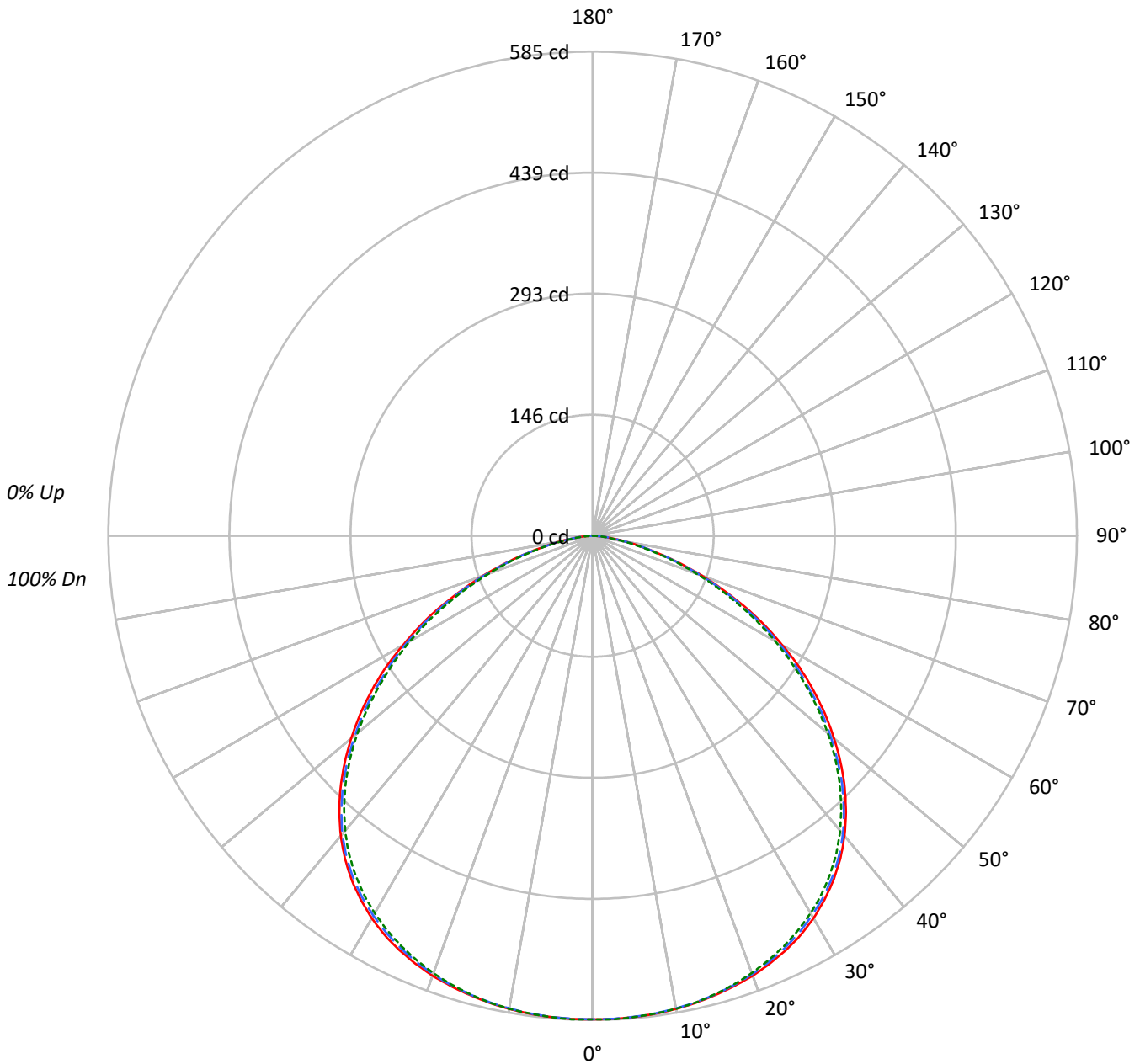
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1700.0 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31																			
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1572	1572	1572
5°	1576	1576	1577
10°	1586	1584	1586
15°	1600	1598	1597
20°	1620	1614	1610
25°	1640	1631	1624
30°	1658	1647	1636
35°	1667	1657	1642
40°	1663	1652	1634
45°	1639	1623	1605
50°	1594	1568	1552
55°	1528	1491	1472
60°	1424	1399	1371
65°	1291	1265	1228
70°	1102	1081	1046
75°	860	852	811
80°	634	607	573
85°	383	383	358



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	3.3
10°-20°	162.2	9.5
20°-30°	253.5	14.9
30°-40°	315.1	18.5
40°-50°	328.3	19.3
50°-60°	284.9	16.8
60°-70°	195.9	11.5
70°-80°	88.4	5.2
80°-90°	16.2	1.0
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°	471.3	27.7
0°-40°	786.4	46.3
0°-60°	1399.5	82.3
0°-90°	1700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1700.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	584	584	584	584	584	
5°	584	584	583	583	584	56
15°	574	574	574	573	573	162
25°	552	552	549	547	547	255
35°	508	508	504	502	500	317
45°	431	431	426	423	422	331
55°	326	324	318	314	314	290
65°	203	202	199	194	193	200
75°	83	83	82	80	78	90
85°	12	12	12	12	12	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	584.2	584.2	584.2	584.2	584.2
2.5°	584.4	584.4	584.1	583.6	584.8
5°	583.6	583.7	583.4	582.9	583.7
7.5°	582.4	582.5	582.0	581.5	582.2
10°	580.5	580.3	579.8	579.5	580.3
12.5°	577.8	577.6	577.1	576.8	577.4
15°	574.4	574.4	573.5	573.0	573.2
17.5°	570.3	570.3	569.1	567.9	568.3
20°	565.6	565.4	563.7	562.5	562.3
22.5°	559.6	559.6	557.2	555.7	555.2
25°	552.3	552.1	549.4	547.2	546.9
27.5°	544.0	543.6	540.4	538.2	537.4
30°	533.6	533.3	529.9	527.5	526.5
32.5°	521.4	521.9	518.0	515.3	514.2
35°	507.5	507.5	504.4	501.5	499.8
37.5°	491.5	491.5	488.6	485.7	483.7
40°	473.3	473.5	470.4	466.8	465.1
42.5°	452.9	453.3	449.2	446.3	444.4
45°	430.7	430.8	426.4	423.2	421.7
47.5°	406.5	406.2	401.3	398.6	397.0
50°	380.7	380.0	374.6	372.1	370.7
52.5°	353.7	352.3	347.6	343.9	342.7
55°	325.7	323.8	317.9	314.1	313.8
57.5°	296.5	294.2	289.3	285.7	284.4
60°	264.5	264.0	259.9	255.7	254.7
62.5°	234.6	233.1	229.5	224.4	223.9
65°	202.7	201.8	198.6	193.8	192.8
67.5°	169.7	170.6	167.8	163.6	162.2
70°	140.0	140.5	137.4	133.5	133.0
72.5°	110.1	110.9	108.4	105.8	105.3
75°	82.7	83.1	81.9	79.7	78.0
77.5°	58.8	60.0	58.6	57.1	55.7
80°	40.9	39.1	39.2	38.6	37.0
82.5°	24.6	23.8	23.6	22.9	22.3
85°	12.4	12.2	12.4	12.2	11.6
87.5°	4.1	4.4	4.6	4.6	4.2
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)