

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: P412957

Luminaire Tested: **14PD-20-PC3-L835**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-20-PC3-L835
Description: 2000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

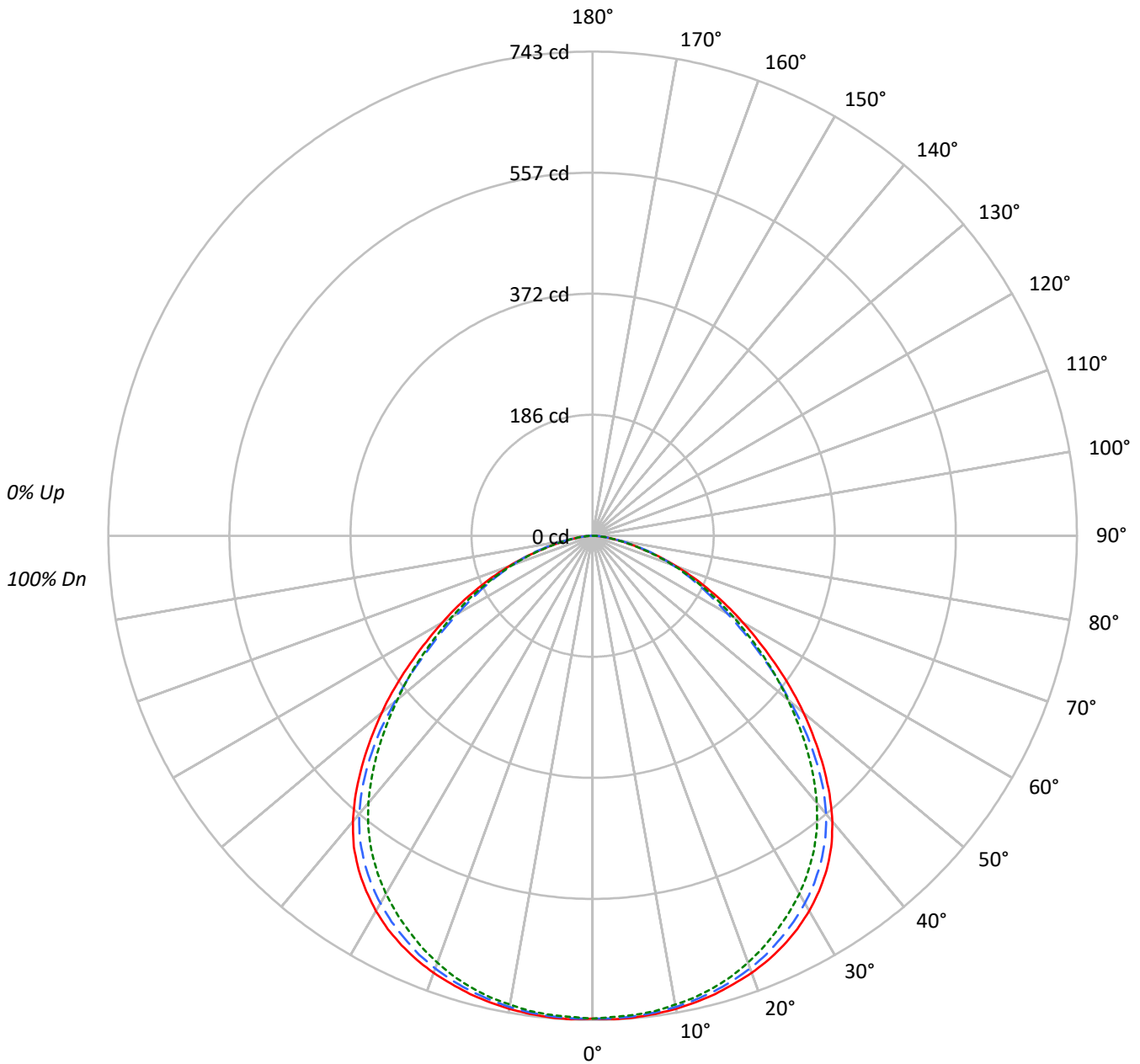
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1915.0 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
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	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73																			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	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	53	49	47																			
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41																			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37																			
8	63	49	41	36	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°	1994	1994	1994
5°	2004	1999	1994
10°	2014	2006	1996
15°	2028	2015	2000
20°	2044	2023	1996
25°	2059	2026	1985
30°	2066	2024	1971
35°	2057	2007	1942
40°	2010	1958	1880
45°	1905	1840	1773
50°	1768	1656	1636
55°	1601	1460	1492
60°	1432	1285	1342
65°	1263	1152	1192
70°	1075	1020	1028
75°	827	871	803
80°	606	637	601
85°	404	448	435



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	3.7
10°-20°	204.1	10.7
20°-30°	314.0	16.4
30°-40°	379.9	19.8
40°-50°	370.9	19.4
50°-60°	286.6	15.0
60°-70°	184.1	9.6
70°-80°	86.9	4.5
80°-90°	18.2	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°	588.5	30.7
0°-40°	968.4	50.6
0°-60°	1625.9	84.9
0°-90°	1915.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1915.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	741	741	741	741	741	
5°	742	739	740	739	738	71
15°	728	724	723	721	718	206
25°	693	688	682	673	668	320
35°	626	620	611	597	591	390
45°	501	494	484	471	466	385
55°	341	325	311	311	318	306
65°	198	187	181	179	187	198
75°	80	81	84	77	77	87
85°	13	15	14	14	14	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	741.0	741.0	741.0	741.0	741.0
2.5°	742.7	739.7	741.3	741.3	739.0
5°	742.0	738.7	740.0	739.4	738.1
7.5°	740.0	736.7	737.7	737.1	735.4
10°	737.1	733.5	734.1	732.8	730.5
12.5°	733.1	729.9	729.2	727.2	725.6
15°	727.9	724.3	723.3	720.7	718.0
17.5°	721.0	717.4	715.7	711.8	708.8
20°	713.8	709.5	706.5	700.6	697.0
22.5°	704.6	699.6	695.7	687.5	683.9
25°	693.4	687.8	682.2	673.4	668.4
27.5°	680.3	674.3	667.8	657.9	652.3
30°	664.8	658.9	651.3	640.2	634.3
32.5°	646.4	640.5	632.6	619.8	613.9
35°	626.1	619.5	610.9	597.2	591.2
37.5°	601.7	594.5	586.6	571.5	565.3
40°	572.2	565.9	557.4	542.3	535.1
42.5°	538.0	532.4	522.9	508.5	501.6
45°	500.6	494.3	483.5	471.0	465.8
47.5°	461.5	452.3	441.8	430.9	428.0
50°	422.4	410.6	395.5	389.9	390.9
52.5°	382.3	367.2	354.1	349.8	354.7
55°	341.3	324.9	311.1	311.4	318.0
57.5°	302.2	285.1	273.6	273.6	282.2
60°	266.1	250.3	238.8	238.5	249.3
62.5°	232.6	216.5	207.9	207.9	217.8
65°	198.4	186.6	181.0	179.0	187.2
67.5°	166.9	158.6	154.7	152.4	157.7
70°	136.6	131.4	129.7	127.1	130.7
72.5°	106.8	105.4	108.7	102.5	104.1
75°	79.5	80.8	83.8	76.9	77.2
77.5°	57.2	59.8	60.8	57.5	57.5
80°	39.1	42.4	41.1	39.4	38.8
82.5°	25.0	26.6	26.6	25.6	25.0
85°	13.1	15.1	14.5	14.1	14.1
87.5°	4.9	6.9	6.9	6.6	6.2
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)