

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: P412615

Luminaire Tested: **14PD-20-PP3-L835**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412615
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-L835
Description: 2000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

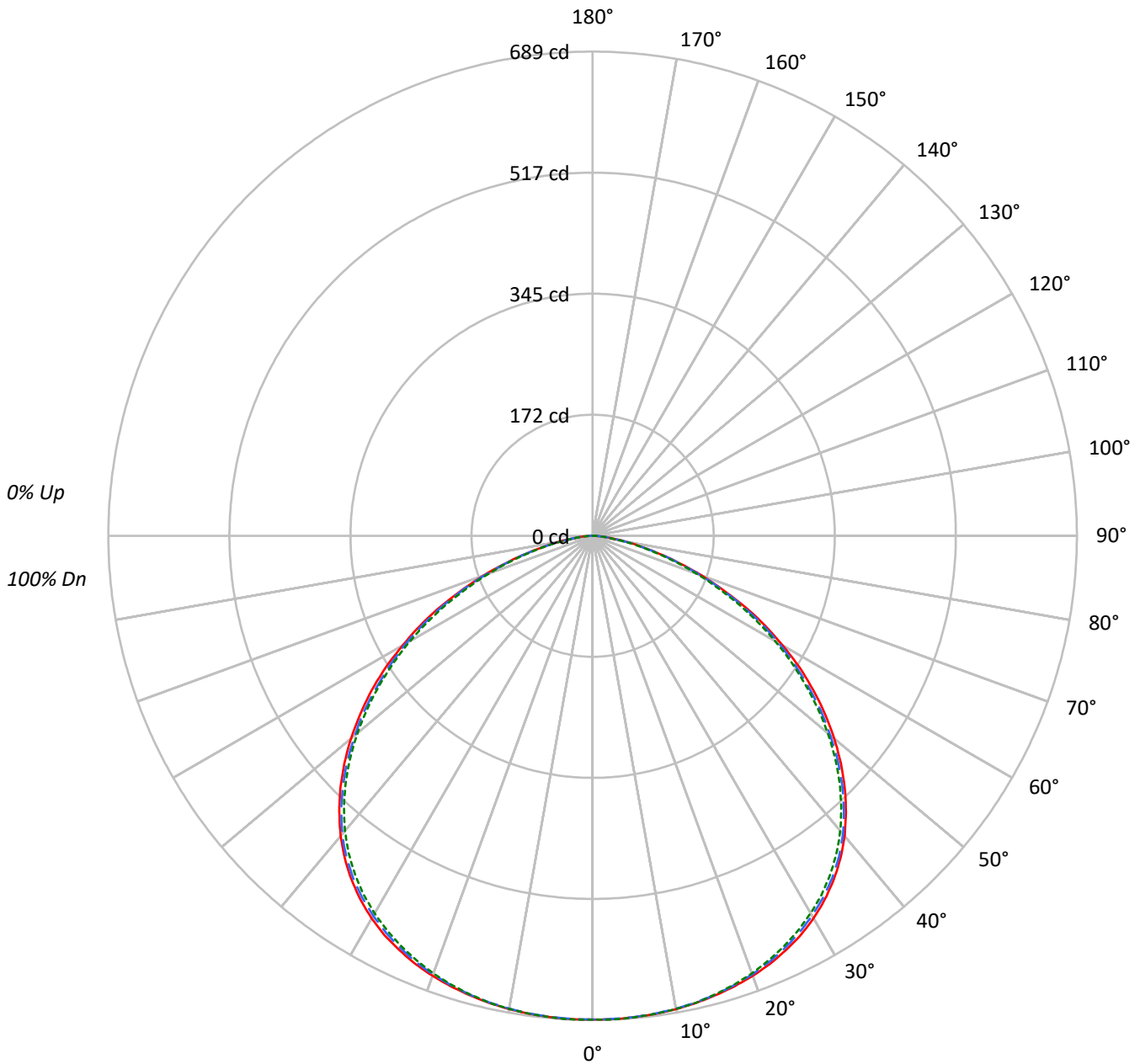
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2003.0 lumens
Efficiency: N/A
Efficacy: 115.1 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°	1852	1852	1852
5°	1857	1857	1858
10°	1869	1867	1868
15°	1886	1883	1882
20°	1908	1902	1897
25°	1932	1922	1913
30°	1954	1940	1927
35°	1964	1952	1935
40°	1959	1947	1925
45°	1931	1912	1891
50°	1878	1848	1829
55°	1800	1757	1734
60°	1678	1648	1615
65°	1521	1490	1447
70°	1297	1274	1233
75°	1014	1003	955
80°	747	716	676
85°	451	451	420



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.5	3.3
10°-20°	191.1	9.5
20°-30°	298.7	14.9
30°-40°	371.2	18.5
40°-50°	386.8	19.3
50°-60°	335.6	16.8
60°-70°	230.8	11.5
70°-80°	104.2	5.2
80°-90°	19.1	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°	555.3	27.7
0°-40°	926.5	46.3
0°-60°	1649.0	82.3
0°-90°	2003.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2003.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	688	688	688	688	688	
5°	688	688	687	687	688	66
15°	677	677	676	675	675	191
25°	651	650	647	645	644	300
35°	598	598	594	591	589	374
45°	507	508	502	499	497	391
55°	384	382	374	370	370	342
65°	239	238	234	228	227	236
75°	98	98	96	94	92	106
85°	15	14	15	14	14	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	688.4	688.4	688.4	688.4	688.4
2.5°	688.6	688.6	688.2	687.6	689.0
5°	687.6	687.8	687.4	686.8	687.8
7.5°	686.2	686.4	685.8	685.2	686.0
10°	684.0	683.8	683.2	682.8	683.8
12.5°	680.8	680.6	680.0	679.6	680.4
15°	676.8	676.8	675.8	675.2	675.4
17.5°	672.0	672.0	670.6	669.2	669.6
20°	666.4	666.2	664.2	662.8	662.6
22.5°	659.3	659.3	656.5	654.7	654.1
25°	650.7	650.5	647.3	644.7	644.3
27.5°	640.9	640.5	636.7	634.1	633.1
30°	628.7	628.3	624.3	621.5	620.3
32.5°	614.3	614.9	610.3	607.1	605.9
35°	597.9	597.9	594.3	590.9	588.9
37.5°	579.1	579.1	575.7	572.3	569.9
40°	557.7	557.9	554.3	550.1	548.1
42.5°	533.6	534.0	529.2	525.8	523.6
45°	507.4	507.6	502.4	498.6	496.8
47.5°	479.0	478.6	472.8	469.6	467.8
50°	448.6	447.8	441.4	438.4	436.8
52.5°	416.7	415.1	409.5	405.1	403.7
55°	383.7	381.5	374.5	370.1	369.7
57.5°	349.3	346.7	340.9	336.7	335.1
60°	311.7	311.1	306.3	301.3	300.0
62.5°	276.4	274.6	270.4	264.4	263.8
65°	238.8	237.8	234.0	228.4	227.2
67.5°	200.0	201.0	197.8	192.8	191.2
70°	164.9	165.5	161.9	157.3	156.7
72.5°	129.7	130.7	127.7	124.7	124.1
75°	97.5	97.9	96.5	93.9	91.9
77.5°	69.3	70.7	69.1	67.3	65.7
80°	48.2	46.0	46.2	45.4	43.6
82.5°	29.0	28.0	27.8	27.0	26.2
85°	14.6	14.4	14.6	14.4	13.6
87.5°	4.8	5.2	5.4	5.4	5.0
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)