

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: P412614

Luminaire Tested: **14PD-20-PP3-L830**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412614
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-L830
Description: 2000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

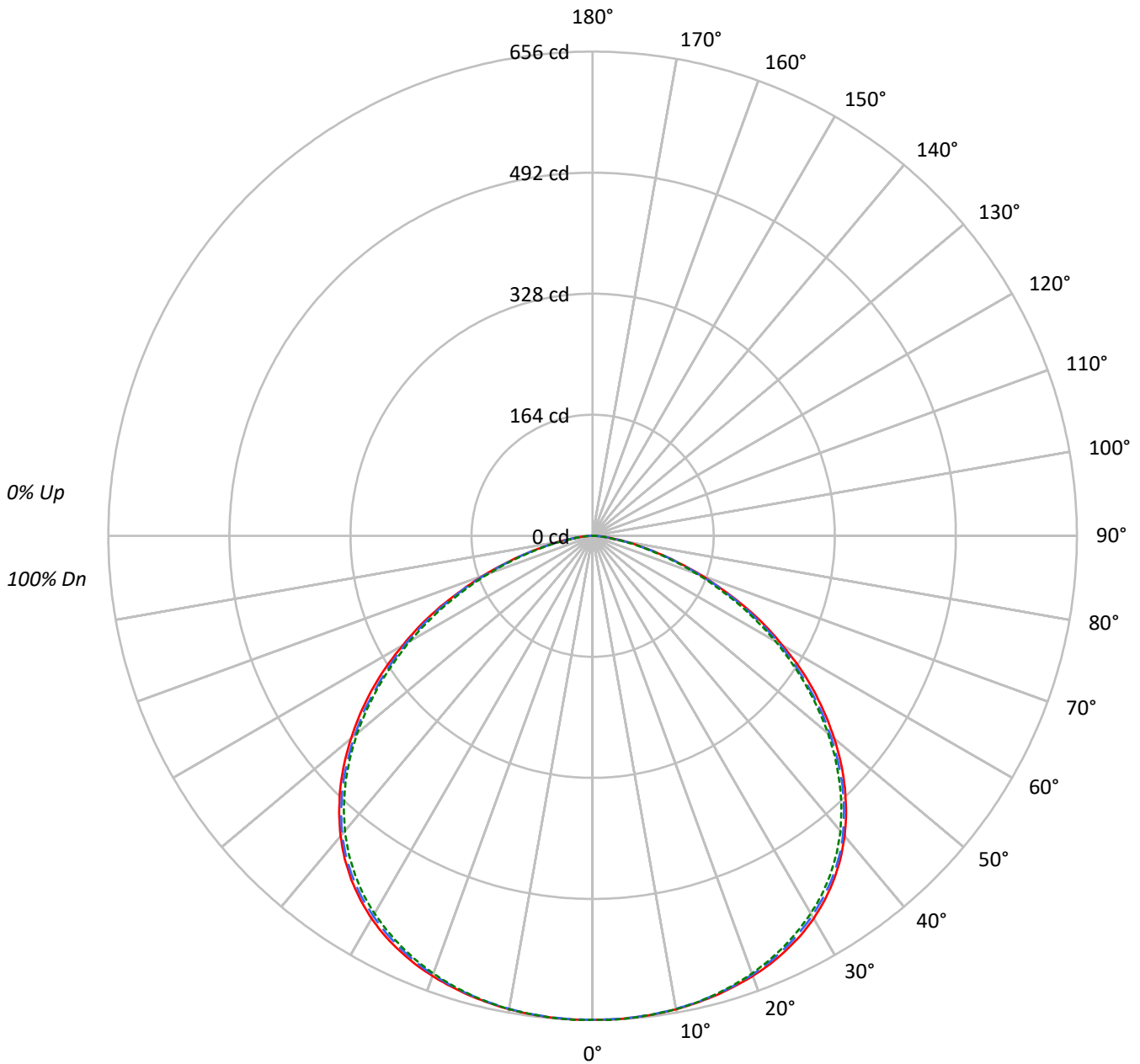
Lumens per Lamp: N/A
Luminaire Lumens: 1908.0 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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				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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85				85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71				71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60				60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52				52
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45				45
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39				39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34				34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31				31
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27				27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1764	1764	1764
5°	1769	1769	1770
10°	1780	1778	1780
15°	1796	1793	1792
20°	1818	1812	1807
25°	1841	1831	1822
30°	1861	1848	1836
35°	1871	1860	1843
40°	1866	1855	1834
45°	1840	1821	1801
50°	1789	1760	1742
55°	1715	1673	1652
60°	1598	1570	1538
65°	1449	1419	1378
70°	1236	1214	1175
75°	966	955	910
80°	713	682	645
85°	429	429	401



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.4	3.3
10°-20°	182.0	9.5
20°-30°	284.5	14.9
30°-40°	353.6	18.5
40°-50°	368.5	19.3
50°-60°	319.7	16.8
60°-70°	219.8	11.5
70°-80°	99.2	5.2
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°	529.0	27.7
0°-40°	882.6	46.3
0°-60°	1570.8	82.3
0°-90°	1908.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1908.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	656	656	656	656	656	
5°	655	655	655	654	655	62
15°	645	645	644	643	643	182
25°	620	620	617	614	614	286
35°	570	570	566	563	561	356
45°	483	484	479	475	473	372
55°	366	363	357	353	352	326
65°	228	226	223	218	216	225
75°	93	93	92	89	88	101
85°	14	14	14	14	13	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	655.7	655.7	655.7	655.7	655.7
2.5°	655.9	655.9	655.5	655.0	656.3
5°	655.0	655.2	654.8	654.2	655.2
7.5°	653.6	653.8	653.2	652.7	653.4
10°	651.5	651.3	650.8	650.4	651.3
12.5°	648.5	648.3	647.7	647.3	648.1
15°	644.7	644.7	643.7	643.1	643.3
17.5°	640.1	640.1	638.8	637.4	637.8
20°	634.7	634.6	632.7	631.3	631.1
22.5°	628.1	628.1	625.4	623.7	623.1
25°	619.9	619.7	616.6	614.2	613.8
27.5°	610.5	610.2	606.5	604.1	603.1
30°	598.9	598.5	594.7	592.0	590.9
32.5°	585.2	585.7	581.4	578.3	577.2
35°	569.5	569.5	566.1	562.9	561.0
37.5°	551.6	551.6	548.4	545.1	542.8
40°	531.2	531.4	528.0	524.0	522.1
42.5°	508.3	508.7	504.1	500.9	498.8
45°	483.4	483.5	478.6	475.0	473.3
47.5°	456.3	455.9	450.4	447.3	445.6
50°	427.3	426.5	420.4	417.6	416.0
52.5°	397.0	395.5	390.1	385.9	384.6
55°	365.5	363.4	356.7	352.6	352.2
57.5°	332.7	330.2	324.7	320.7	319.2
60°	296.9	296.3	291.7	287.0	285.8
62.5°	263.3	261.6	257.6	251.9	251.3
65°	227.5	226.5	222.9	217.6	216.4
67.5°	190.5	191.4	188.4	183.6	182.1
70°	157.1	157.7	154.3	149.9	149.3
72.5°	123.6	124.5	121.6	118.8	118.2
75°	92.9	93.2	91.9	89.4	87.5
77.5°	66.0	67.3	65.8	64.1	62.5
80°	46.0	43.9	44.0	43.3	41.6
82.5°	27.6	26.7	26.5	25.7	25.0
85°	13.9	13.7	13.9	13.7	13.0
87.5°	4.6	5.0	5.1	5.1	4.8
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)