

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: P412278

Luminaire Tested: **14PD-20-PB1-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412278
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-L935
Description: 2000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

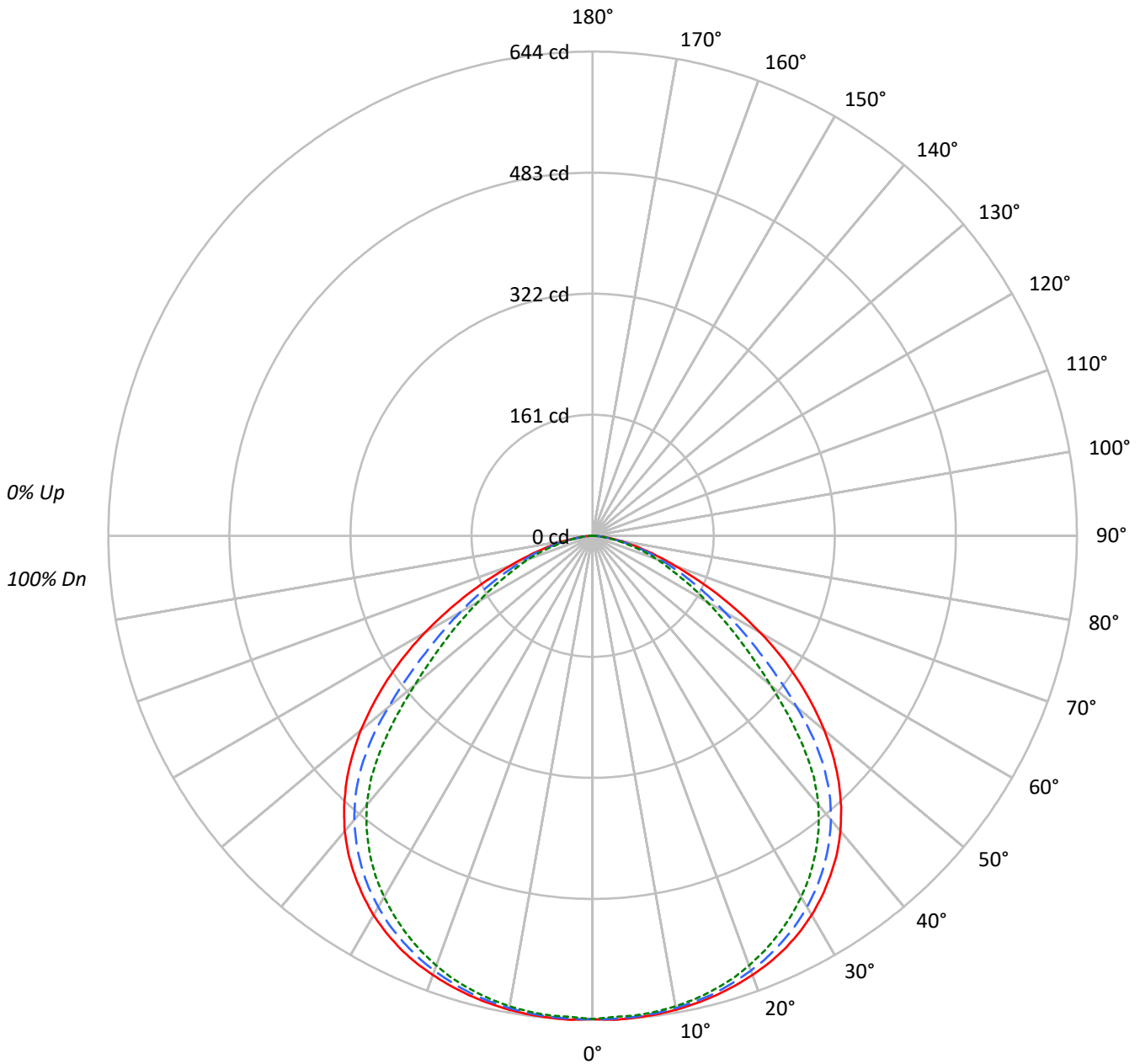
Lumens per Lamp: N/A
Luminaire Lumens: 1657.0 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P412278

CATALOG NUMBER: 14PD-20-PB1-L935

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°	1730	1730	1730
5°	1739	1735	1730
10°	1749	1743	1736
15°	1763	1754	1741
20°	1780	1763	1742
25°	1798	1770	1736
30°	1810	1772	1724
35°	1812	1762	1697
40°	1801	1732	1641
45°	1762	1656	1507
50°	1684	1484	1292
55°	1559	1272	1103
60°	1385	1092	942
65°	1163	932	807
70°	921	792	712
75°	721	646	566
80°	536	482	434
85°	355	315	287



TEST NUMBER: P412278

CATALOG NUMBER: 14PD-20-PB1-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.1	3.7
10°-20°	177.6	10.7
20°-30°	274.3	16.6
30°-40°	333.9	20.1
40°-50°	330.4	19.9
50°-60°	248.9	15.0
60°-70°	149.6	9.0
70°-80°	67.4	4.1
80°-90°	13.8	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°	513.1	31.0
0°-40°	846.9	51.1
0°-60°	1426.2	86.1
0°-90°	1657.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1657.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	643	643	643	643	643	
5°	644	641	642	642	641	61
15°	633	630	630	627	625	179
25°	606	601	596	588	585	279
35°	552	546	536	523	517	345
45°	463	455	435	409	396	356
55°	332	309	271	245	235	296
65°	183	166	146	131	127	181
75°	69	66	62	56	54	76
85°	12	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°	642.8	642.8	642.8	642.8	642.8
2.5°	644.5	641.7	643.1	642.8	640.6
5°	643.6	641.2	642.3	641.7	640.6
7.5°	642.3	639.8	640.6	639.8	638.7
10°	640.1	637.3	637.9	636.2	635.4
12.5°	637.0	633.7	634.3	632.1	631.0
15°	632.9	629.9	629.6	627.1	624.9
17.5°	627.7	624.7	623.0	620.3	617.8
20°	621.6	617.8	615.6	610.6	608.2
22.5°	614.5	610.4	606.8	599.9	597.5
25°	605.7	601.0	596.1	588.1	584.8
27.5°	595.0	590.0	584.3	575.5	570.5
30°	582.6	577.4	570.2	560.1	554.8
32.5°	568.0	562.3	554.6	542.5	537.0
35°	551.5	545.5	536.4	523.2	516.6
37.5°	533.7	526.8	516.1	500.1	493.5
40°	512.8	505.9	493.0	474.6	467.1
42.5°	489.1	482.3	466.6	444.6	435.5
45°	463.0	455.0	435.2	408.6	395.9
47.5°	433.9	423.7	397.8	365.1	352.5
50°	402.2	388.8	354.4	320.9	308.5
52.5°	367.9	350.8	311.2	281.3	269.4
55°	332.4	309.0	271.1	244.7	235.1
57.5°	295.6	267.5	235.9	212.8	203.7
60°	257.3	230.1	202.9	181.7	175.1
62.5°	218.3	196.0	173.5	154.0	150.4
65°	182.6	165.5	146.3	130.9	126.7
67.5°	146.5	136.9	122.1	111.6	107.0
70°	117.1	110.8	100.6	92.1	90.5
72.5°	91.6	87.4	83.6	76.2	73.1
75°	69.3	65.7	62.1	56.4	54.4
77.5°	50.0	48.7	45.6	41.8	41.0
80°	34.6	34.6	31.1	28.9	28.0
82.5°	21.4	23.4	19.5	18.1	17.3
85°	11.5	11.8	10.2	9.6	9.3
87.5°	4.4	4.9	4.7	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)