

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: P412956

Luminaire Tested: **14PD-20-PC3-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412956
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-L830
Description: 2000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

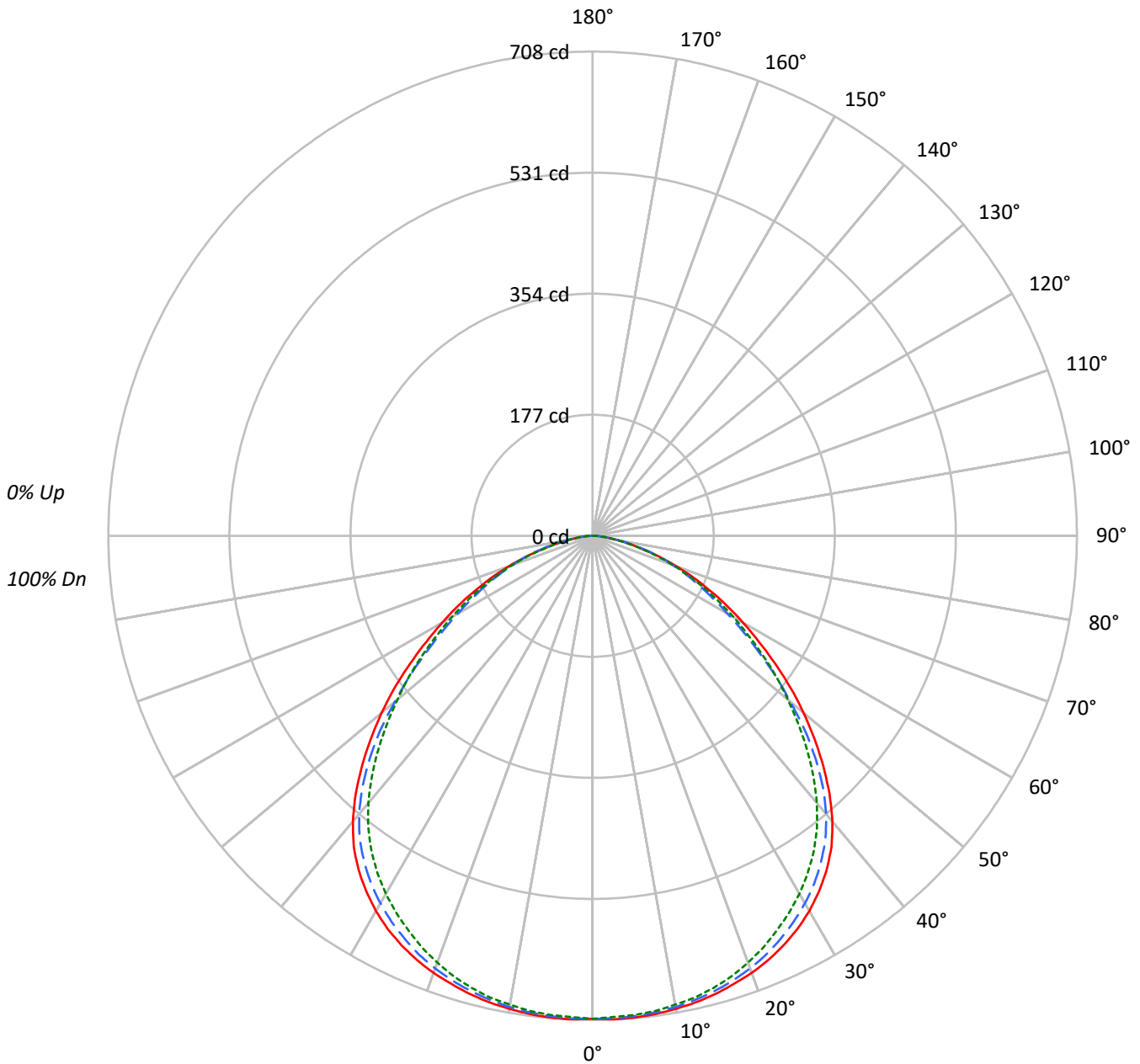
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1825.0 lumens
Efficiency: N/A
Efficacy: 104.9 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				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			
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°	1900	1900	1900
5°	1910	1905	1900
10°	1919	1912	1902
15°	1933	1920	1906
20°	1948	1928	1902
25°	1962	1931	1891
30°	1969	1929	1878
35°	1960	1913	1851
40°	1916	1866	1791
45°	1816	1754	1689
50°	1685	1578	1559
55°	1526	1391	1422
60°	1365	1225	1279
65°	1204	1098	1136
70°	1024	972	980
75°	788	830	765
80°	578	606	572
85°	386	426	417



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.1	3.7
10°-20°	194.5	10.7
20°-30°	299.2	16.4
30°-40°	362.0	19.8
40°-50°	353.5	19.4
50°-60°	273.1	15.0
60°-70°	175.4	9.6
70°-80°	82.8	4.5
80°-90°	17.4	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°	560.8	30.7
0°-40°	922.9	50.6
0°-60°	1549.5	84.9
0°-90°	1825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1825.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	706	706	706	706	706	
5°	707	704	705	705	703	67
15°	694	690	689	687	684	196
25°	661	656	650	642	637	305
35°	597	590	582	569	564	372
45°	477	471	461	449	444	367
55°	325	310	296	297	303	292
65°	189	178	172	171	178	188
75°	76	77	80	73	74	83
85°	12	14	14	14	14	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	706.2	706.2	706.2	706.2	706.2
2.5°	707.8	704.9	706.5	706.5	704.3
5°	707.1	704.0	705.3	704.6	703.4
7.5°	705.3	702.1	703.1	702.4	700.9
10°	702.4	699.0	699.6	698.4	696.2
12.5°	698.7	695.6	694.9	693.0	691.5
15°	693.7	690.2	689.3	686.8	684.3
17.5°	687.1	683.7	682.1	678.3	675.5
20°	680.2	676.1	673.3	667.7	664.2
22.5°	671.4	666.8	663.0	655.2	651.7
25°	660.8	655.5	650.2	641.7	637.0
27.5°	648.3	642.6	636.4	627.0	621.7
30°	633.6	627.9	620.7	610.1	604.5
32.5°	616.0	610.4	602.9	590.7	585.1
35°	596.6	590.4	582.2	569.1	563.5
37.5°	573.5	566.6	559.1	544.7	538.7
40°	545.3	539.3	531.2	516.8	509.9
42.5°	512.7	507.4	498.3	484.6	478.0
45°	477.1	471.1	460.8	448.9	443.9
47.5°	439.8	431.0	421.0	410.7	407.9
50°	402.6	391.3	376.9	371.6	372.5
52.5°	364.4	350.0	337.4	333.4	338.1
55°	325.2	309.6	296.4	296.8	303.0
57.5°	288.0	271.7	260.8	260.8	268.9
60°	253.6	238.5	227.6	227.3	237.6
62.5°	221.6	206.3	198.1	198.1	207.5
65°	189.1	177.8	172.5	170.6	178.4
67.5°	159.0	151.2	147.4	145.2	150.3
70°	130.2	125.2	123.6	121.1	124.6
72.5°	101.7	100.5	103.6	97.7	99.2
75°	75.8	77.0	79.8	73.2	73.6
77.5°	54.5	57.0	57.9	54.8	54.8
80°	37.3	40.4	39.1	37.6	36.9
82.5°	23.8	25.4	25.4	24.4	23.8
85°	12.5	14.4	13.8	13.5	13.5
87.5°	4.7	6.6	6.6	6.3	5.9
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)