

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: P412628

Luminaire Tested: **14PD-25-PP3-L930**

Issue Date: 9/15/2020



**Test Information**

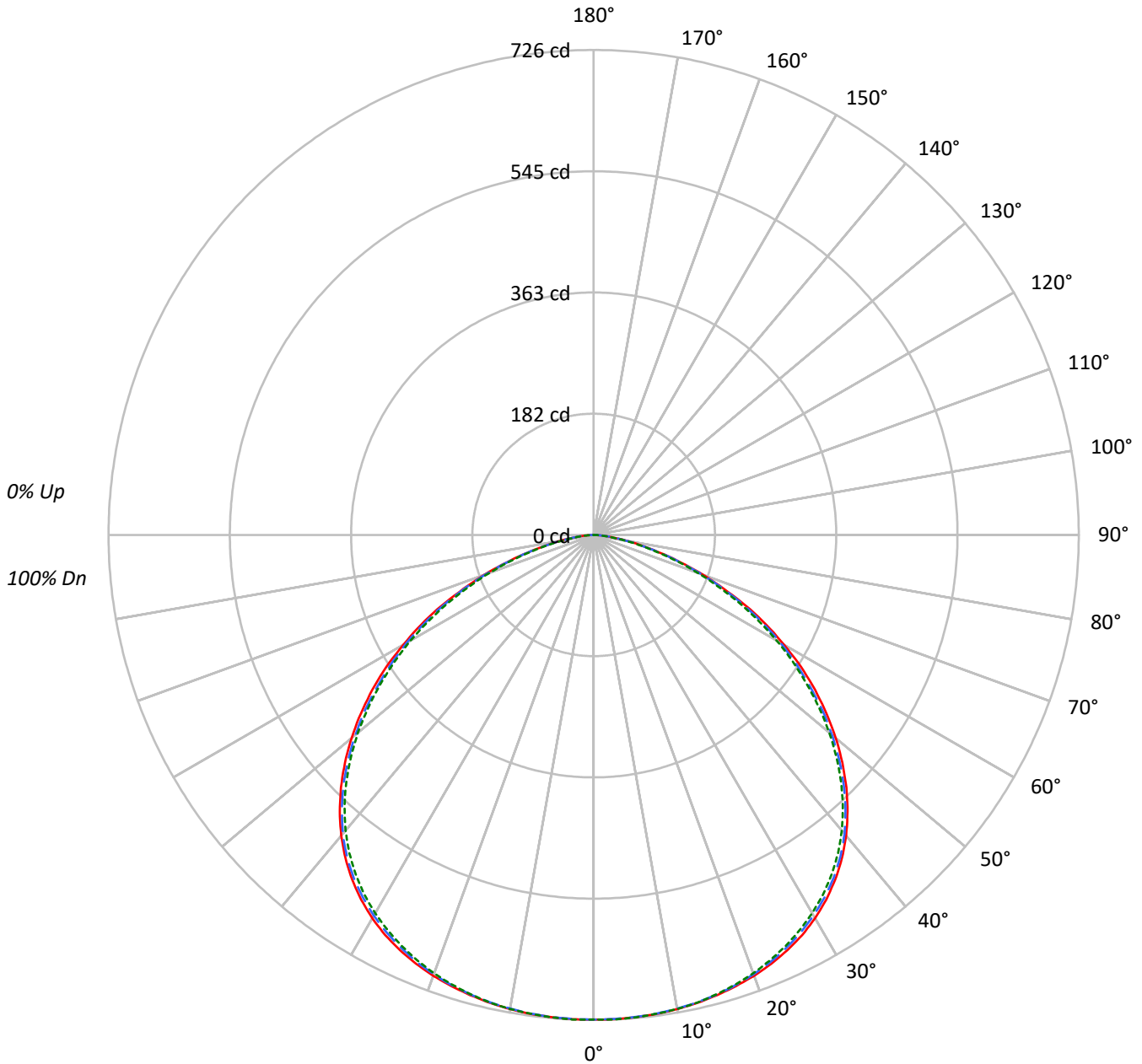
Test Method: LM-79-08  
Report Number: P412628  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-25-PP3-L930  
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2111.0 lumens  
Efficiency: N/A  
Efficacy: 93.0 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): 22.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	1952	1952	1952
5°	1957	1957	1958
10°	1970	1967	1969
15°	1987	1984	1983
20°	2011	2005	2000
25°	2036	2026	2016
30°	2059	2045	2032
35°	2070	2057	2039
40°	2064	2052	2029
45°	2035	2015	1993
50°	1979	1948	1927
55°	1897	1852	1828
60°	1768	1737	1702
65°	1603	1570	1524
70°	1367	1343	1300
75°	1068	1057	1006
80°	787	755	713
85°	475	475	442



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.0	3.3
10°-20°	201.4	9.5
20°-30°	314.8	14.9
30°-40°	391.2	18.5
40°-50°	407.7	19.3
50°-60°	353.7	16.8
60°-70°	243.2	11.5
70°-80°	109.8	5.2
80°-90°	20.1	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°	585.2	27.7
0°-40°	976.5	46.3
0°-60°	1737.9	82.3
0°-90°	2111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2111.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	726	726	726	726	726	
5°	725	725	724	724	725	69
15°	713	713	712	712	712	202
25°	686	686	682	680	679	316
35°	630	630	626	623	621	394
45°	535	535	530	526	524	412
55°	404	402	395	390	390	360
65°	252	251	247	241	239	248
75°	103	103	102	99	97	112
85°	15	15	15	15	14	21
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	725.5	725.5	725.5	725.5	725.5
2.5°	725.7	725.7	725.3	724.6	726.1
5°	724.6	724.9	724.4	723.8	724.9
7.5°	723.2	723.4	722.7	722.1	723.0
10°	720.8	720.6	720.0	719.6	720.6
12.5°	717.5	717.3	716.6	716.2	717.1
15°	713.3	713.3	712.2	711.6	711.8
17.5°	708.2	708.2	706.7	705.2	705.7
20°	702.3	702.1	700.0	698.5	698.3
22.5°	694.9	694.9	691.9	690.0	689.4
25°	685.8	685.6	682.2	679.5	679.1
27.5°	675.5	675.1	671.1	668.3	667.3
30°	662.6	662.2	658.0	655.0	653.8
32.5°	647.4	648.1	643.2	639.8	638.6
35°	630.1	630.1	626.3	622.8	620.6
37.5°	610.3	610.3	606.7	603.1	600.6
40°	587.7	587.9	584.1	579.7	577.6
42.5°	562.4	562.8	557.8	554.2	551.9
45°	534.8	535.0	529.5	525.5	523.6
47.5°	504.8	504.4	498.3	494.9	493.0
50°	472.8	471.9	465.2	462.0	460.3
52.5°	439.2	437.5	431.6	427.0	425.5
55°	404.4	402.1	394.7	390.1	389.6
57.5°	368.1	365.4	359.3	354.8	353.1
60°	328.5	327.8	322.8	317.5	316.2
62.5°	291.3	289.4	285.0	278.7	278.0
65°	251.7	250.6	246.6	240.7	239.4
67.5°	210.7	211.8	208.4	203.2	201.5
70°	173.8	174.5	170.7	165.8	165.2
72.5°	136.7	137.8	134.6	131.4	130.8
75°	102.7	103.2	101.7	98.9	96.8
77.5°	73.0	74.5	72.8	70.9	69.2
80°	50.8	48.5	48.7	47.9	46.0
82.5°	30.6	29.5	29.3	28.5	27.6
85°	15.4	15.2	15.4	15.2	14.3
87.5°	5.1	5.5	5.7	5.7	5.3
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)