

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: P412282

Luminaire Tested: **14PD-25-PB1-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412282
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-25-PB1-L835
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

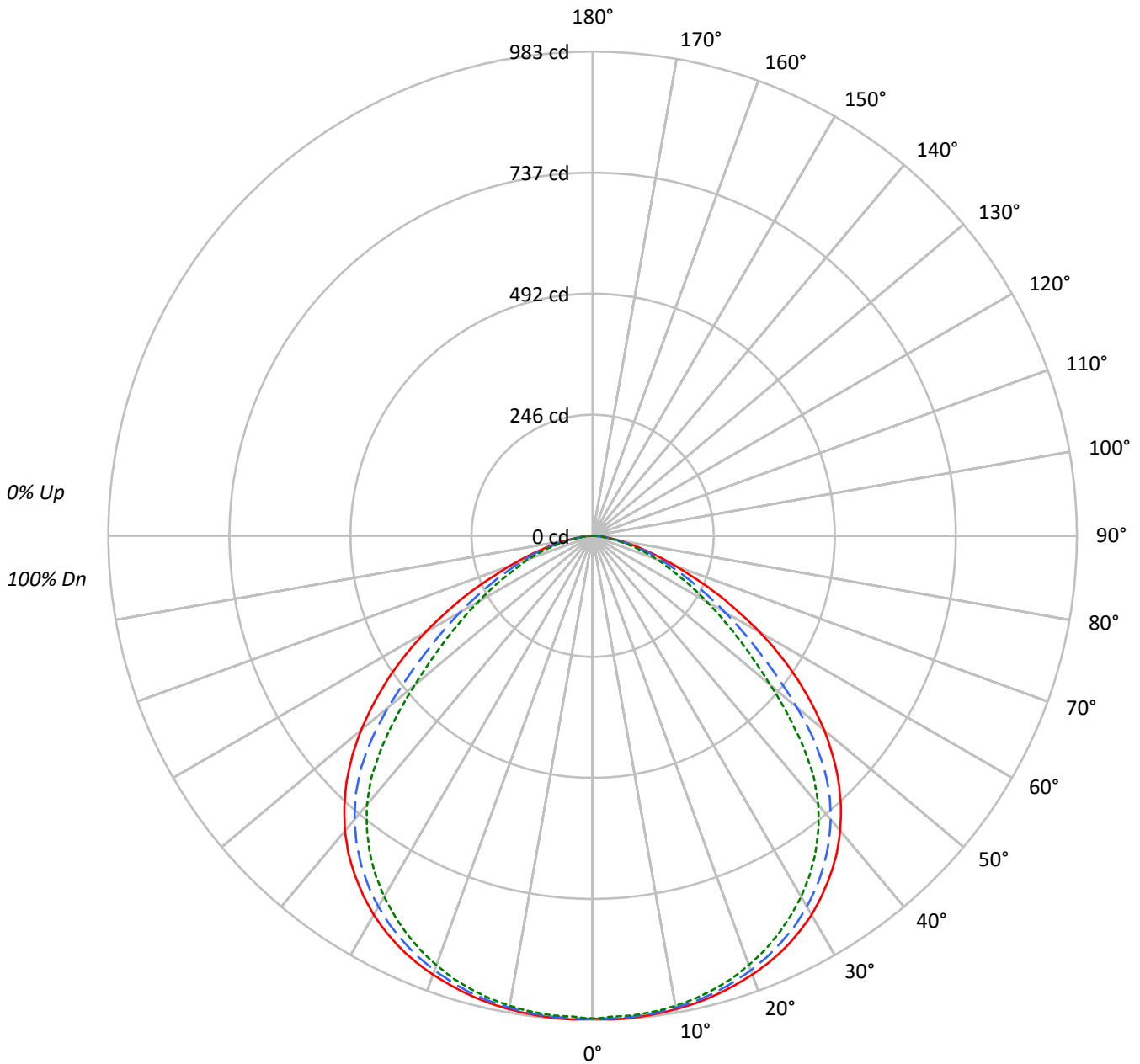
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2527.0 lumens
Efficiency: N/A
Efficacy: 111.3 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): 22.7
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			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°	2638	2638	2638
5°	2652	2646	2639
10°	2667	2658	2648
15°	2689	2675	2655
20°	2715	2688	2656
25°	2743	2699	2648
30°	2761	2702	2629
35°	2763	2688	2588
40°	2747	2641	2503
45°	2687	2526	2298
50°	2568	2263	1970
55°	2378	1939	1682
60°	2112	1665	1438
65°	1773	1421	1231
70°	1405	1208	1086
75°	1099	986	863
80°	818	735	663
85°	543	479	442



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	3.7
10°-20°	270.9	10.7
20°-30°	418.3	16.6
30°-40°	509.1	20.1
40°-50°	503.8	19.9
50°-60°	379.6	15.0
60°-70°	228.1	9.0
70°-80°	102.8	4.1
80°-90°	21.0	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°	782.5	31.0
0°-40°	1291.6	51.1
0°-60°	2175.0	86.1
0°-90°	2527.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2527.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	980	980	980	980	980	
5°	982	978	980	979	977	94
15°	965	961	960	956	953	273
25°	924	917	909	897	892	426
35°	841	832	818	798	788	526
45°	706	694	664	623	604	543
55°	507	471	413	373	358	452
65°	278	252	223	200	193	277
75°	106	100	95	86	83	115
85°	18	18	16	15	14	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	980.3	980.3	980.3	980.3	980.3
2.5°	982.8	978.6	980.7	980.3	977.0
5°	981.6	977.8	979.5	978.6	977.0
7.5°	979.5	975.7	977.0	975.7	974.0
10°	976.1	971.9	972.8	970.3	969.0
12.5°	971.5	966.5	967.3	964.0	962.3
15°	965.2	960.6	960.2	956.4	953.1
17.5°	957.3	952.7	950.1	945.9	942.2
20°	948.0	942.2	938.8	931.3	927.5
22.5°	937.1	930.8	925.4	914.9	911.1
25°	923.7	916.6	909.0	896.9	891.9
27.5°	907.4	899.8	891.0	877.6	870.1
30°	888.5	880.5	869.6	854.1	846.2
32.5°	866.3	857.5	845.7	827.3	818.9
35°	841.1	831.9	818.1	797.9	787.9
37.5°	813.9	803.4	787.0	762.7	752.6
40°	782.0	771.5	751.8	723.7	712.4
42.5°	745.9	735.5	711.6	678.0	664.2
45°	706.1	693.9	663.8	623.1	603.8
47.5°	661.7	646.1	606.7	556.8	537.5
50°	613.4	592.9	540.5	489.3	470.5
52.5°	561.0	535.0	474.6	428.9	410.9
55°	506.9	471.3	413.4	373.2	358.5
57.5°	450.7	408.0	359.8	324.5	310.7
60°	392.5	351.0	309.4	277.2	267.1
62.5°	332.9	299.0	264.6	234.8	229.4
65°	278.4	252.4	223.1	199.6	193.3
67.5°	223.5	208.8	186.2	170.2	163.1
70°	178.6	169.0	153.5	140.5	138.0
72.5°	139.6	133.3	127.5	116.1	111.5
75°	105.7	100.2	94.8	86.0	83.0
77.5°	76.3	74.2	69.6	63.7	62.5
80°	52.8	52.8	47.4	44.0	42.8
82.5°	32.7	35.6	29.8	27.7	26.4
85°	17.6	18.0	15.5	14.7	14.3
87.5°	6.7	7.5	7.1	5.9	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)