

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: P412626

Luminaire Tested: **14PD-25-PP3-L850**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412626
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-L850
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

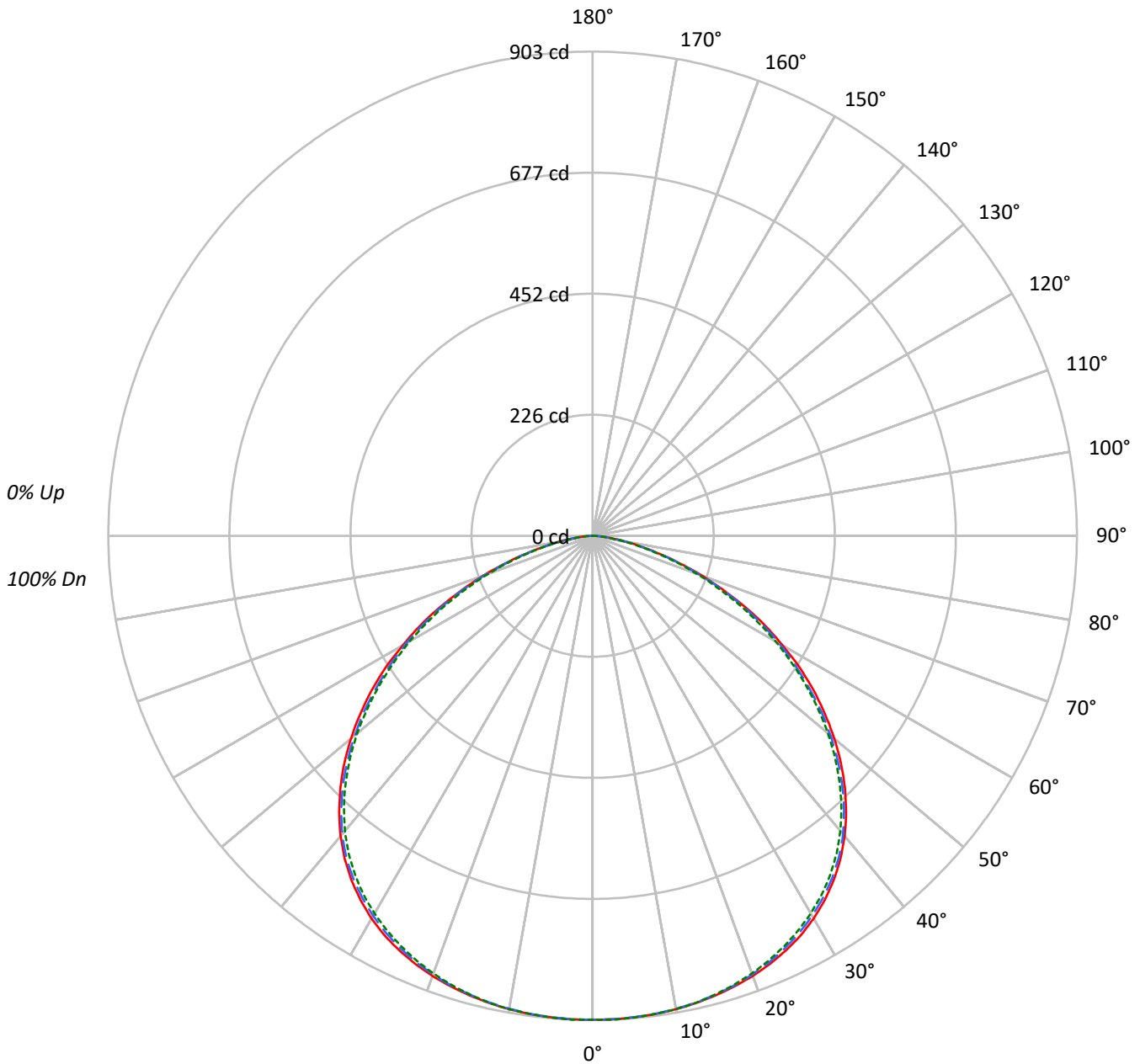
Lumens per Lamp: N/A
Luminaire Lumens: 2626.0 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2429	2429	2429
5°	2435	2434	2436
10°	2450	2447	2449
15°	2472	2468	2467
20°	2502	2493	2487
25°	2533	2520	2508
30°	2561	2543	2527
35°	2575	2559	2536
40°	2568	2553	2524
45°	2531	2507	2479
50°	2462	2422	2397
55°	2360	2304	2274
60°	2199	2161	2117
65°	1994	1954	1897
70°	1701	1670	1617
75°	1329	1315	1253
80°	979	939	886
85°	593	593	550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.9	3.3
10°-20°	250.5	9.5
20°-30°	391.6	14.9
30°-40°	486.7	18.5
40°-50°	507.1	19.3
50°-60°	440.0	16.8
60°-70°	302.6	11.5
70°-80°	136.5	5.2
80°-90°	25.0	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°	728.0	27.7
0°-40°	1214.7	46.3
0°-60°	2161.9	82.3
0°-90°	2626.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2626.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	902	902	902	902	902	
5°	901	902	901	900	902	86
15°	887	887	886	885	885	251
25°	853	853	849	845	845	394
35°	784	784	779	775	772	490
45°	665	666	659	654	651	512
55°	503	500	491	485	485	448
65°	313	312	307	299	298	309
75°	128	128	126	123	120	139
85°	19	19	19	19	18	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	902.5	902.5	902.5	902.5	902.5
2.5°	902.7	902.7	902.2	901.4	903.3
5°	901.4	901.7	901.2	900.4	901.7
7.5°	899.6	899.9	899.1	898.3	899.3
10°	896.7	896.4	895.7	895.1	896.4
12.5°	892.5	892.2	891.5	890.9	892.0
15°	887.3	887.3	885.9	885.2	885.4
17.5°	881.0	881.0	879.1	877.3	877.8
20°	873.6	873.4	870.7	868.9	868.6
22.5°	864.4	864.4	860.8	858.4	857.6
25°	853.1	852.9	848.7	845.3	844.7
27.5°	840.3	839.8	834.8	831.4	830.1
30°	824.3	823.8	818.5	814.8	813.3
32.5°	805.4	806.2	800.1	795.9	794.4
35°	783.9	783.9	779.1	774.7	772.1
37.5°	759.2	759.2	754.7	750.3	747.1
40°	731.1	731.4	726.7	721.1	718.5
42.5°	699.6	700.1	693.9	689.4	686.5
45°	665.2	665.5	658.7	653.7	651.3
47.5°	628.0	627.5	619.8	615.6	613.3
50°	588.1	587.0	578.6	574.7	572.6
52.5°	546.4	544.3	536.9	531.1	529.3
55°	503.1	500.2	491.0	485.2	484.7
57.5°	457.9	454.5	446.9	441.4	439.3
60°	408.6	407.8	401.5	394.9	393.4
62.5°	362.4	360.0	354.5	346.7	345.9
65°	313.1	311.8	306.8	299.4	297.9
67.5°	262.2	263.5	259.3	252.7	250.6
70°	216.2	217.0	212.3	206.3	205.5
72.5°	170.1	171.4	167.4	163.5	162.7
75°	127.8	128.3	126.5	123.1	120.5
77.5°	90.8	92.6	90.5	88.2	86.1
80°	63.2	60.4	60.6	59.6	57.2
82.5°	38.1	36.7	36.5	35.4	34.4
85°	19.2	18.9	19.2	18.9	17.8
87.5°	6.3	6.8	7.1	7.1	6.6
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)