

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: P412284

Luminaire Tested: **14PD-25-PB1-L850**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412284
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-L850
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

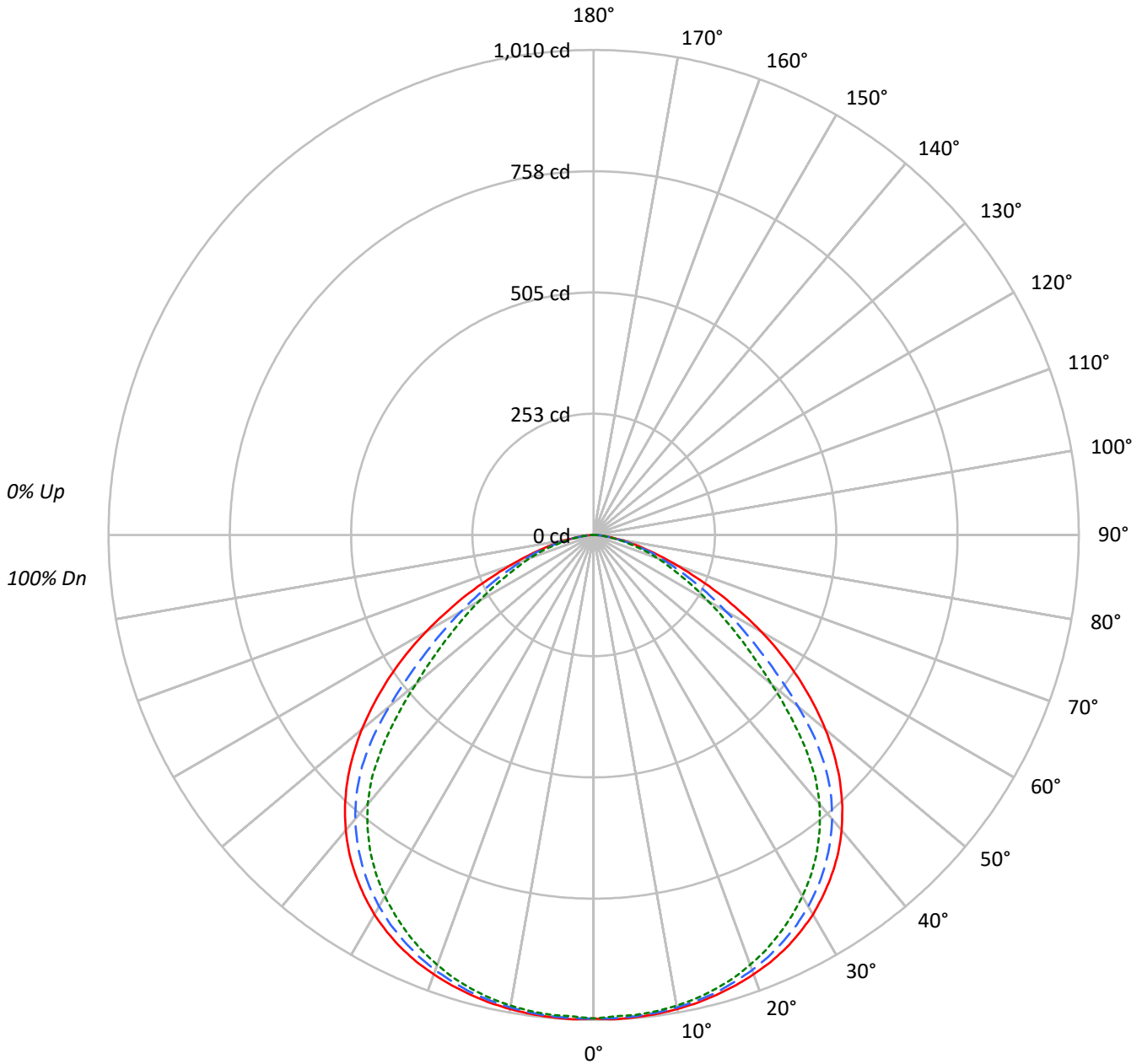
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2596.0 lumens
Efficiency: N/A
Efficacy: 114.4 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									
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°	2710	2710	2710
5°	2724	2718	2711
10°	2740	2731	2720
15°	2763	2748	2728
20°	2789	2762	2729
25°	2817	2773	2720
30°	2836	2776	2701
35°	2839	2761	2659
40°	2822	2713	2571
45°	2761	2595	2361
50°	2638	2324	2023
55°	2443	1993	1728
60°	2170	1711	1477
65°	1821	1459	1265
70°	1444	1241	1115
75°	1128	1012	887
80°	841	755	680
85°	559	491	451



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.8	3.7
10°-20°	278.3	10.7
20°-30°	429.8	16.6
30°-40°	523.0	20.1
40°-50°	517.6	19.9
50°-60°	390.0	15.0
60°-70°	234.3	9.0
70°-80°	105.6	4.1
80°-90°	21.6	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°	803.8	31.0
0°-40°	1326.9	51.1
0°-60°	2234.4	86.1
0°-90°	2596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2596.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1007	1007	1007	1007	1007	
5°	1008	1004	1006	1005	1004	96
15°	992	987	986	982	979	280
25°	949	942	934	921	916	437
35°	864	855	840	820	809	540
45°	725	713	682	640	620	557
55°	521	484	425	383	368	464
65°	286	259	229	205	199	284
75°	108	103	97	88	85	118
85°	18	18	16	15	15	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1007.1	1007.1	1007.1	1007.1	1007.1
2.5°	1009.7	1005.4	1007.5	1007.1	1003.6
5°	1008.4	1004.5	1006.2	1005.4	1003.6
7.5°	1006.2	1002.4	1003.6	1002.4	1000.6
10°	1002.8	998.5	999.3	996.8	995.5
12.5°	998.0	992.9	993.7	990.3	988.6
15°	991.6	986.8	986.4	982.5	979.1
17.5°	983.4	978.7	976.1	971.8	967.9
20°	973.9	967.9	964.5	956.7	952.8
22.5°	962.7	956.3	950.7	939.9	936.0
25°	948.9	941.6	933.9	921.4	916.2
27.5°	932.1	924.4	915.3	901.6	893.8
30°	912.8	904.6	893.4	877.4	869.3
32.5°	889.9	880.9	868.8	849.9	841.3
35°	864.1	854.6	840.4	819.7	809.4
37.5°	836.1	825.3	808.5	783.5	773.2
40°	803.3	792.6	772.3	743.5	731.8
42.5°	766.3	755.5	731.0	696.5	682.3
45°	725.4	712.9	681.9	640.1	620.3
47.5°	679.7	663.8	623.3	572.0	552.2
50°	630.2	609.1	555.2	502.7	483.3
52.5°	576.3	549.6	487.6	440.7	422.1
55°	520.8	484.2	424.7	383.4	368.3
57.5°	463.1	419.1	369.6	333.4	319.2
60°	403.2	360.5	317.9	284.7	274.4
62.5°	342.0	307.1	271.8	241.2	235.6
65°	286.0	259.3	229.2	205.0	198.6
67.5°	229.6	214.5	191.3	174.9	167.6
70°	183.5	173.6	157.7	144.3	141.7
72.5°	143.4	137.0	130.9	119.3	114.6
75°	108.5	102.9	97.3	88.3	85.3
77.5°	78.4	76.2	71.5	65.5	64.2
80°	54.3	54.3	48.7	45.2	43.9
82.5°	33.6	36.6	30.6	28.4	27.1
85°	18.1	18.5	15.9	15.1	14.6
87.5°	6.9	7.8	7.3	6.0	6.0
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)