

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: P412968

Luminaire Tested: **14PD-25-PC3-L850**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412968
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-25-PC3-L850
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

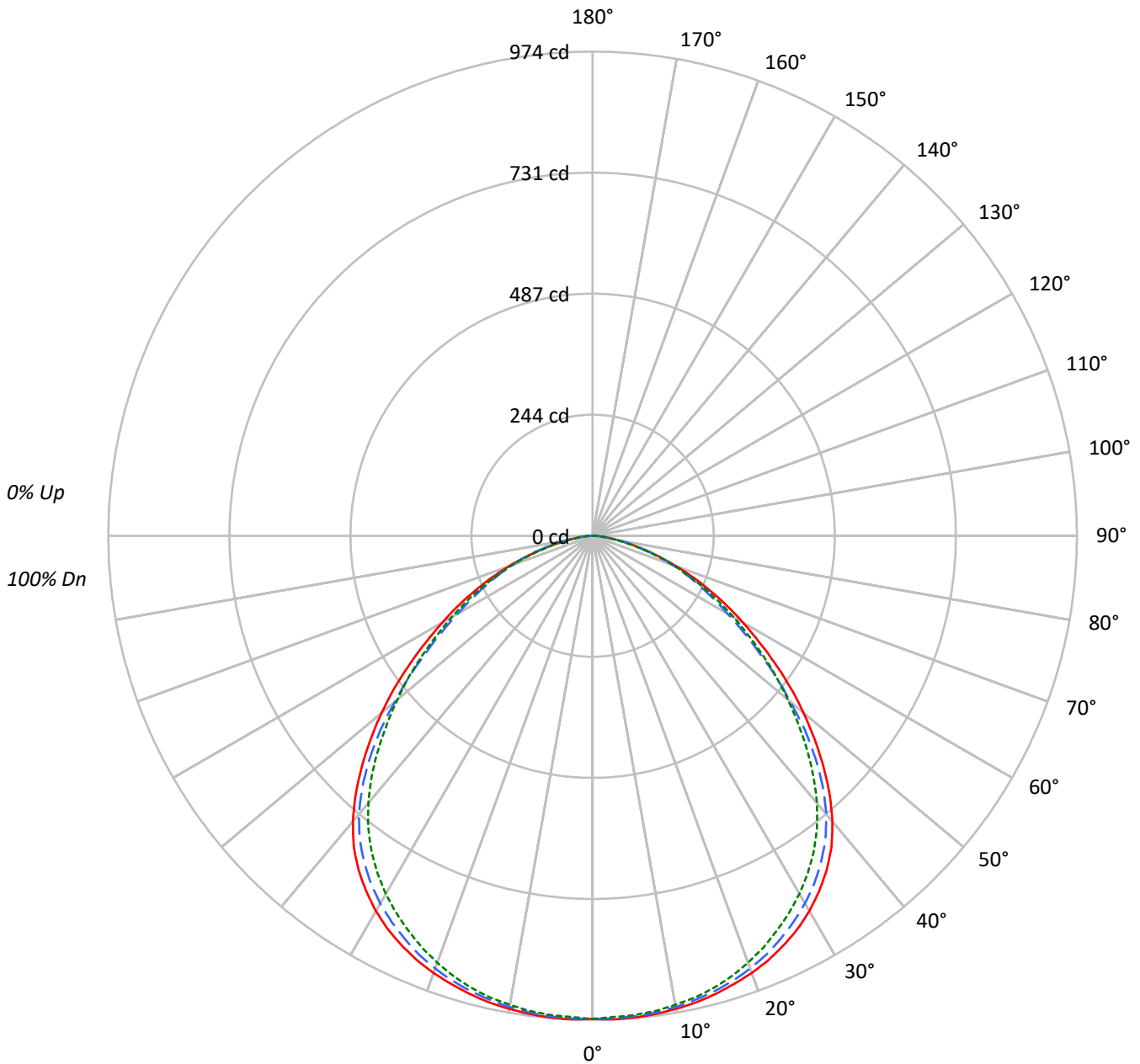
Lumens per Lamp: N/A
Luminaire Lumens: 2511.0 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	2615	2615	2615
5°	2628	2621	2614
10°	2641	2630	2617
15°	2659	2642	2623
20°	2680	2653	2617
25°	2700	2656	2602
30°	2709	2654	2584
35°	2697	2632	2547
40°	2636	2568	2465
45°	2498	2413	2324
50°	2319	2171	2146
55°	2099	1914	1956
60°	1878	1685	1759
65°	1656	1511	1563
70°	1410	1338	1349
75°	1083	1142	1052
80°	795	834	787
85°	531	587	571



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.3	3.7
10°-20°	267.7	10.7
20°-30°	411.7	16.4
30°-40°	498.1	19.8
40°-50°	486.3	19.4
50°-60°	375.8	15.0
60°-70°	241.3	9.6
70°-80°	113.9	4.5
80°-90°	23.9	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°	771.7	30.7
0°-40°	1269.8	50.6
0°-60°	2131.9	84.9
0°-90°	2511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2511.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	972	972	972	972	972	
5°	973	969	970	970	968	93
15°	954	950	948	945	942	270
25°	909	902	895	883	876	419
35°	821	812	801	783	775	512
45°	656	648	634	618	611	505
55°	448	426	408	408	417	401
65°	260	245	237	235	246	259
75°	104	106	110	101	101	114
85°	17	20	19	18	18	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	971.6	971.6	971.6	971.6	971.6
2.5°	973.8	969.9	972.1	972.1	969.1
5°	972.9	968.6	970.4	969.5	967.8
7.5°	970.4	966.0	967.3	966.5	964.3
10°	966.5	961.7	962.6	960.9	957.9
12.5°	961.3	957.0	956.1	953.6	951.4
15°	954.4	949.7	948.4	944.9	941.5
17.5°	945.4	940.6	938.5	933.3	929.4
20°	935.9	930.3	926.4	918.7	913.9
22.5°	923.8	917.4	912.2	901.4	896.7
25°	909.2	901.9	894.6	882.9	876.5
27.5°	892.0	884.2	875.6	862.7	855.4
30°	871.7	864.0	854.1	839.4	831.7
32.5°	847.6	839.9	829.5	812.7	805.0
35°	820.9	812.3	801.1	783.0	775.2
37.5°	789.0	779.6	769.2	749.4	741.2
40°	750.3	742.1	730.9	711.1	701.6
42.5°	705.5	698.2	685.7	666.7	657.7
45°	656.4	648.2	634.0	617.6	610.7
47.5°	605.1	593.1	579.3	565.1	561.2
50°	553.9	538.4	518.6	511.2	512.5
52.5°	501.3	481.5	464.3	458.7	465.1
55°	447.5	426.0	407.9	408.3	416.9
57.5°	396.2	373.8	358.8	358.8	370.0
60°	348.9	328.2	313.1	312.7	326.9
62.5°	304.9	283.8	272.6	272.6	285.5
65°	260.1	244.6	237.3	234.7	245.5
67.5°	218.8	208.0	202.9	199.8	206.7
70°	179.2	172.3	170.1	166.7	171.4
72.5°	140.0	138.3	142.6	134.4	136.5
75°	104.2	106.0	109.8	100.8	101.2
77.5°	74.9	78.4	79.7	75.4	75.4
80°	51.3	55.6	53.8	51.7	50.8
82.5°	32.7	34.9	34.9	33.6	32.7
85°	17.2	19.8	19.0	18.5	18.5
87.5°	6.5	9.0	9.0	8.6	8.2
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)