

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: P412707

Luminaire Tested: **22PD-25-PP3-L850**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-25-PP3-L850
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

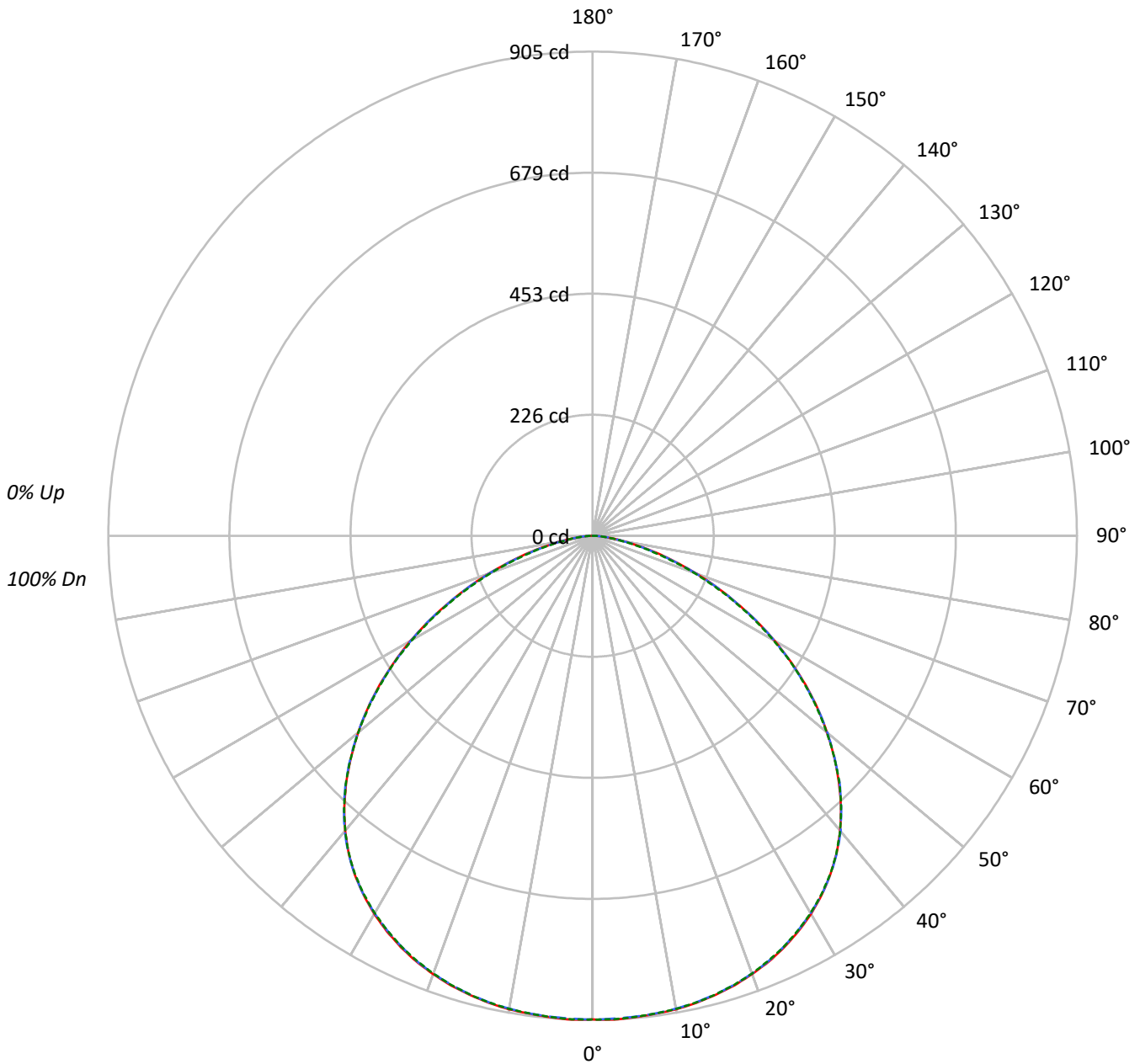
Lumens per Lamp: N/A
Luminaire Lumens: 2594.0 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.9
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

TEST NUMBER: P412707

CATALOG NUMBER: 22PD-25-PP3-L850

Luminous Intensity Polar Plot





TEST NUMBER: P412707

CATALOG NUMBER: 22PD-25-PP3-L850

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	87	81	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28																			
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°	2433	2433	2433
5°	2441	2437	2439
10°	2456	2452	2454
15°	2475	2472	2472
20°	2497	2494	2493
25°	2519	2514	2514
30°	2536	2532	2531
35°	2544	2544	2541
40°	2527	2532	2527
45°	2477	2484	2481
50°	2394	2398	2391
55°	2279	2273	2269
60°	2115	2110	2094
65°	1889	1887	1866
70°	1615	1606	1570
75°	1287	1249	1211
80°	917	899	851
85°	596	596	577



TEST NUMBER: P412707

CATALOG NUMBER: 22PD-25-PP3-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	3.3
10°-20°	250.8	9.7
20°-30°	390.5	15.1
30°-40°	483.4	18.6
40°-50°	501.2	19.3
50°-60°	432.0	16.7
60°-70°	293.7	11.3
70°-80°	131.4	5.1
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°	727.3	28.0
0°-40°	1210.7	46.7
0°-60°	2143.9	82.6
0°-90°	2594.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2594.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	904	904	904	904	904	
5°	904	902	902	902	903	86
15°	888	887	888	887	888	251
25°	848	847	847	846	847	391
35°	774	773	774	773	773	484
45°	651	650	653	651	652	501
55°	486	484	484	484	484	433
65°	297	299	296	296	293	295
75°	124	124	120	120	116	133
85°	19	20	19	19	19	25
90°	0	0	0	0	0	



TEST NUMBER: P412707

CATALOG NUMBER: 22PD-25-PP3-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	904.1	904.1	904.1	904.1	904.1
2.5°	905.3	903.5	903.5	903.8	904.7
5°	903.5	901.7	902.3	902.0	902.9
7.5°	901.1	899.6	900.5	899.9	900.5
10°	898.7	897.2	897.5	897.2	898.1
12.5°	894.5	892.7	893.3	893.3	893.6
15°	888.4	886.9	887.5	886.9	887.5
17.5°	881.2	879.4	879.7	879.4	880.0
20°	871.8	870.6	870.9	870.3	870.6
22.5°	861.3	859.7	860.1	859.4	859.4
25°	848.3	847.1	846.8	846.5	846.8
27.5°	833.2	831.7	831.7	831.4	831.4
30°	816.3	814.8	814.8	814.5	814.5
32.5°	796.4	795.8	796.1	795.4	795.1
35°	774.3	773.4	774.3	773.1	773.4
37.5°	748.7	747.5	749.3	748.1	748.4
40°	719.4	718.8	720.9	720.0	719.4
42.5°	686.8	686.8	687.7	688.0	687.4
45°	650.8	650.2	652.7	651.2	651.8
47.5°	612.2	611.3	613.1	612.8	612.5
50°	571.8	571.2	572.7	571.2	571.2
52.5°	529.8	529.5	529.8	528.3	528.0
55°	485.7	483.9	484.5	483.6	483.6
57.5°	439.8	437.7	438.0	437.7	438.0
60°	393.0	392.4	392.1	390.6	389.1
62.5°	345.0	345.7	345.3	343.2	341.7
65°	296.7	299.2	296.4	295.5	293.1
67.5°	251.2	252.1	250.3	248.1	245.4
70°	205.3	207.1	204.1	202.0	199.5
72.5°	161.5	162.7	160.0	158.8	155.8
75°	123.8	124.1	120.1	119.5	116.5
77.5°	88.1	89.4	86.3	86.3	83.3
80°	59.2	61.3	58.0	57.1	54.9
82.5°	37.1	37.4	36.5	35.6	34.7
85°	19.3	19.9	19.3	18.7	18.7
87.5°	7.2	7.5	7.2	6.9	7.2
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)