

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: P506187

Luminaire Tested: **22PD-25-PL1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506187
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-25-PL1-L830
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

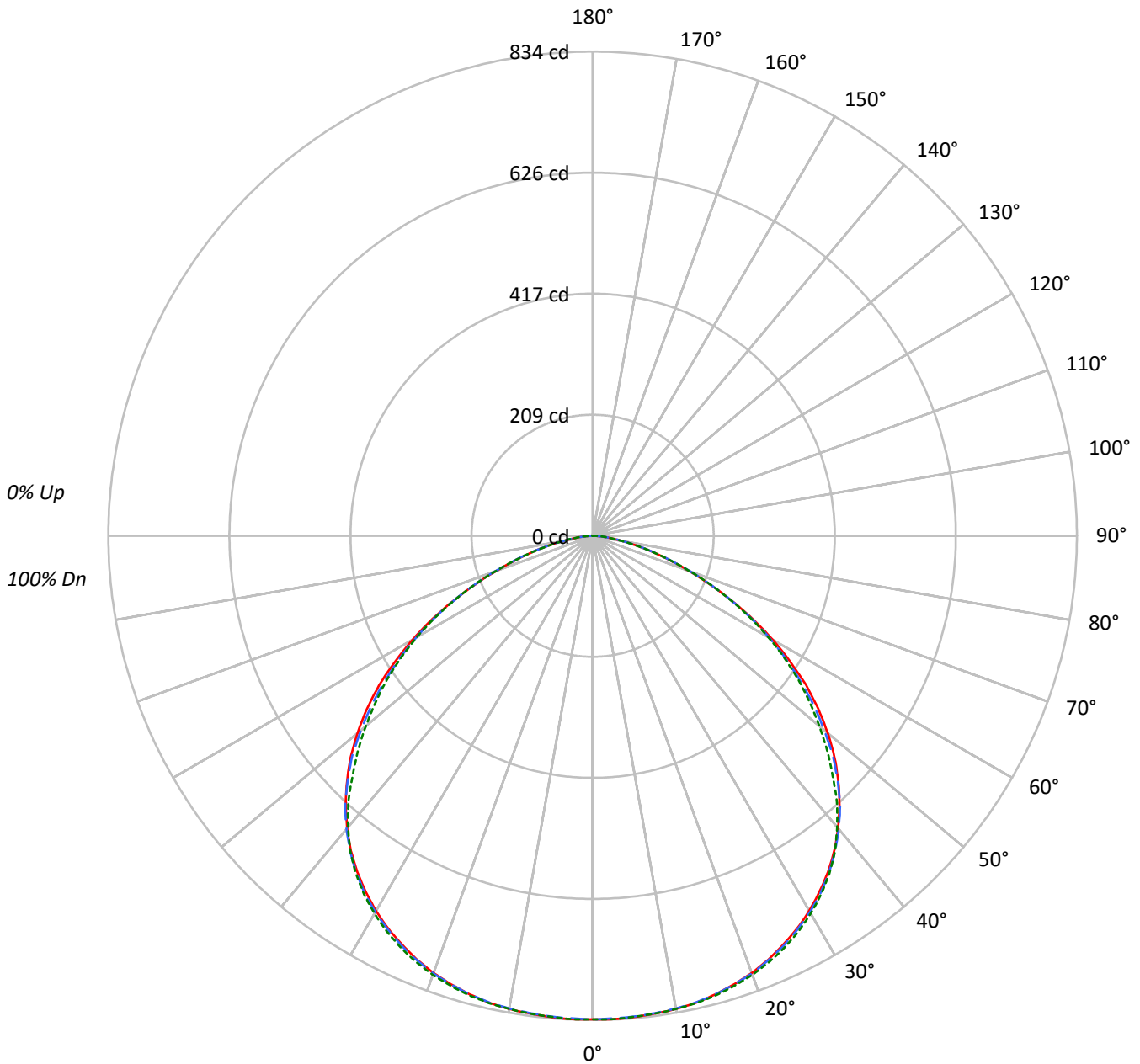
Lumens per Lamp: N/A
Luminaire Lumens: 2359.3 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

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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	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2242	2242	2242
5°	2248	2245	2246
10°	2262	2259	2262
15°	2278	2278	2283
20°	2295	2297	2305
25°	2307	2312	2323
30°	2318	2326	2335
35°	2322	2330	2335
40°	2310	2316	2302
45°	2277	2270	2224
50°	2213	2178	2134
55°	2105	2052	2028
60°	1927	1891	1880
65°	1681	1677	1671
70°	1378	1400	1396
75°	1092	1110	1092
80°	800	795	790
85°	534	525	562



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	3.4
10°-20°	231.1	9.8
20°-30°	359.2	15.2
30°-40°	442.9	18.8
40°-50°	457.5	19.4
50°-60°	391.4	16.6
60°-70°	261.2	11.1
70°-80°	114.6	4.9
80°-90°	22.2	0.9
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°	669.6	28.4
0°-40°	1112.4	47.1
0°-60°	1961.3	83.1
0°-90°	2359.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2359.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	833	833	833	833	833	
5°	832	831	831	831	832	79
15°	818	817	818	818	820	231
25°	777	777	779	781	782	358
35°	707	707	709	711	711	442
45°	598	598	597	591	584	461
55°	449	443	437	435	432	399
65°	264	263	263	264	262	262
75°	105	104	107	106	105	114
85°	17	17	17	18	18	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	833.0	833.0	833.0	833.0	833.0
2.5°	833.5	832.4	832.1	832.1	833.5
5°	832.1	830.9	831.2	830.6	831.5
7.5°	830.0	828.9	829.2	828.9	830.0
10°	827.7	826.5	826.8	826.5	827.7
12.5°	823.6	822.7	823.3	823.6	824.5
15°	817.7	816.8	817.7	818.3	819.5
17.5°	810.1	809.5	810.4	811.3	812.7
20°	801.3	800.7	802.2	803.0	804.8
22.5°	790.4	789.8	791.3	793.4	794.5
25°	776.9	776.9	778.7	781.0	782.5
27.5°	762.6	762.3	764.3	766.7	768.1
30°	746.1	745.6	748.5	750.5	751.4
32.5°	727.1	727.4	730.0	732.1	732.4
35°	706.8	706.8	709.2	710.7	710.7
37.5°	683.7	683.4	685.7	686.3	685.4
40°	657.6	657.9	659.3	659.0	655.2
42.5°	629.4	629.7	630.9	626.8	623.0
45°	598.3	598.0	596.6	591.0	584.5
47.5°	565.2	563.7	561.4	552.9	548.2
50°	528.5	526.2	520.3	513.6	509.7
52.5°	489.8	485.7	479.8	474.6	471.3
55°	448.7	443.2	437.3	435.0	432.3
57.5°	403.0	399.5	394.5	393.3	391.6
60°	358.1	354.3	351.4	351.4	349.3
62.5°	311.2	308.8	307.7	308.3	306.2
65°	264.0	263.4	263.4	264.3	262.5
67.5°	218.2	219.4	219.1	222.0	219.7
70°	175.1	177.2	178.0	181.0	177.4
72.5°	137.8	138.1	139.3	140.2	138.4
75°	105.0	104.1	106.8	106.2	105.0
77.5°	76.0	75.4	76.3	76.8	75.4
80°	51.6	51.0	51.3	52.2	51.0
82.5°	32.6	32.0	32.0	32.8	32.6
85°	17.3	17.0	17.0	17.6	18.2
87.5°	6.2	5.9	6.2	6.2	6.2
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)