

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: P506163

Luminaire Tested: **22PD-20-PL1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506163
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-20-PL1-L850
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

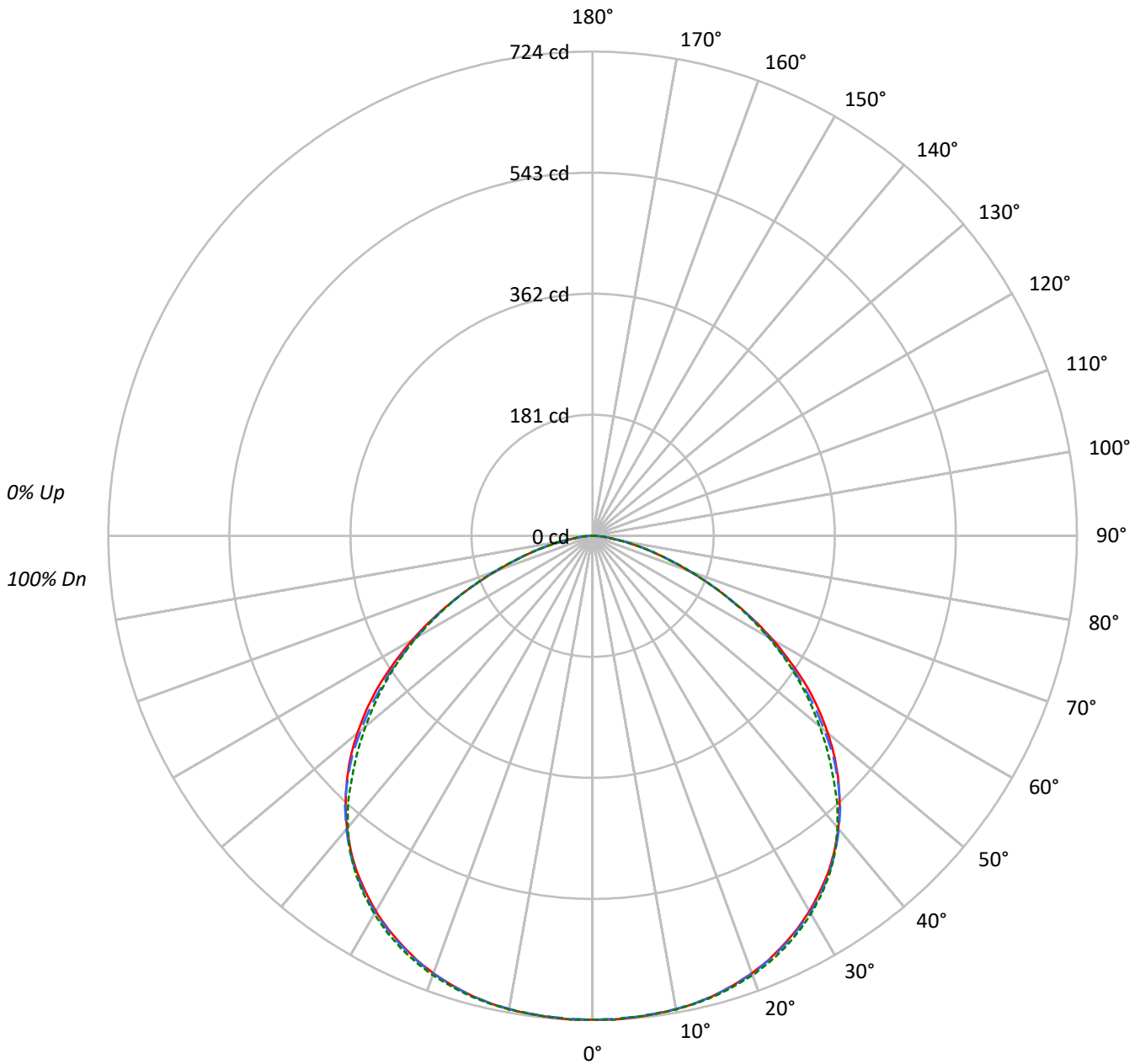
Lumens per Lamp: N/A
Luminaire Lumens: 2049.6 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
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°	1947	1947	1947
5°	1953	1951	1951
10°	1965	1963	1965
15°	1979	1979	1983
20°	1993	1996	2002
25°	2004	2009	2018
30°	2014	2020	2028
35°	2017	2024	2028
40°	2007	2012	1999
45°	1978	1972	1932
50°	1922	1892	1854
55°	1829	1782	1762
60°	1674	1643	1633
65°	1460	1457	1452
70°	1197	1217	1213
75°	948	964	948
80°	694	691	687
85°	463	457	488



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.8	3.4
10°-20°	200.8	9.8
20°-30°	312.1	15.2
30°-40°	384.7	18.8
40°-50°	397.4	19.4
50°-60°	340.0	16.6
60°-70°	226.9	11.1
70°-80°	99.6	4.9
80°-90°	19.3	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°	581.7	28.4
0°-40°	966.4	47.1
0°-60°	1703.9	83.1
0°-90°	2049.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2049.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	724	724	724	724	724	
5°	723	722	722	722	722	69
15°	710	710	710	711	712	201
25°	675	675	676	678	680	311
35°	614	614	616	617	617	384
45°	520	520	518	513	508	400
55°	390	385	380	378	376	346
65°	229	229	229	230	228	227
75°	91	90	93	92	91	99
85°	15	15	15	15	16	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	723.6	723.6	723.6	723.6	723.6
2.5°	724.1	723.1	722.9	722.9	724.1
5°	722.9	721.8	722.1	721.6	722.4
7.5°	721.1	720.1	720.3	720.1	721.1
10°	719.0	718.0	718.3	718.0	719.0
12.5°	715.5	714.7	715.2	715.5	716.2
15°	710.4	709.6	710.4	710.9	711.9
17.5°	703.8	703.2	704.0	704.8	706.0
20°	696.1	695.6	696.9	697.6	699.2
22.5°	686.7	686.2	687.4	689.2	690.3
25°	675.0	675.0	676.5	678.5	679.8
27.5°	662.5	662.2	664.0	666.0	667.3
30°	648.2	647.7	650.2	652.0	652.8
32.5°	631.6	631.9	634.2	636.0	636.2
35°	614.1	614.1	616.1	617.4	617.4
37.5°	593.9	593.7	595.7	596.2	595.5
40°	571.3	571.5	572.8	572.5	569.2
42.5°	546.8	547.1	548.1	544.5	541.2
45°	519.8	519.5	518.3	513.4	507.8
47.5°	491.0	489.7	487.7	480.3	476.2
50°	459.1	457.1	452.0	446.2	442.8
52.5°	425.5	421.9	416.9	412.3	409.5
55°	389.8	385.0	379.9	377.9	375.6
57.5°	350.1	347.0	342.7	341.7	340.2
60°	311.1	307.8	305.2	305.2	303.5
62.5°	270.3	268.3	267.3	267.8	266.0
65°	229.3	228.8	228.8	229.6	228.0
67.5°	189.6	190.6	190.3	192.9	190.8
70°	152.1	153.9	154.7	157.2	154.2
72.5°	119.8	120.0	121.0	121.8	120.3
75°	91.2	90.5	92.7	92.2	91.2
77.5°	66.0	65.5	66.2	66.8	65.5
80°	44.8	44.3	44.6	45.4	44.3
82.5°	28.3	27.8	27.8	28.5	28.3
85°	15.0	14.8	14.8	15.3	15.8
87.5°	5.4	5.1	5.4	5.4	5.4
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)