

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: P506184

Luminaire Tested: **22PD-20-PW1-L935**

Issue Date: 3/26/2021

**Test Information**

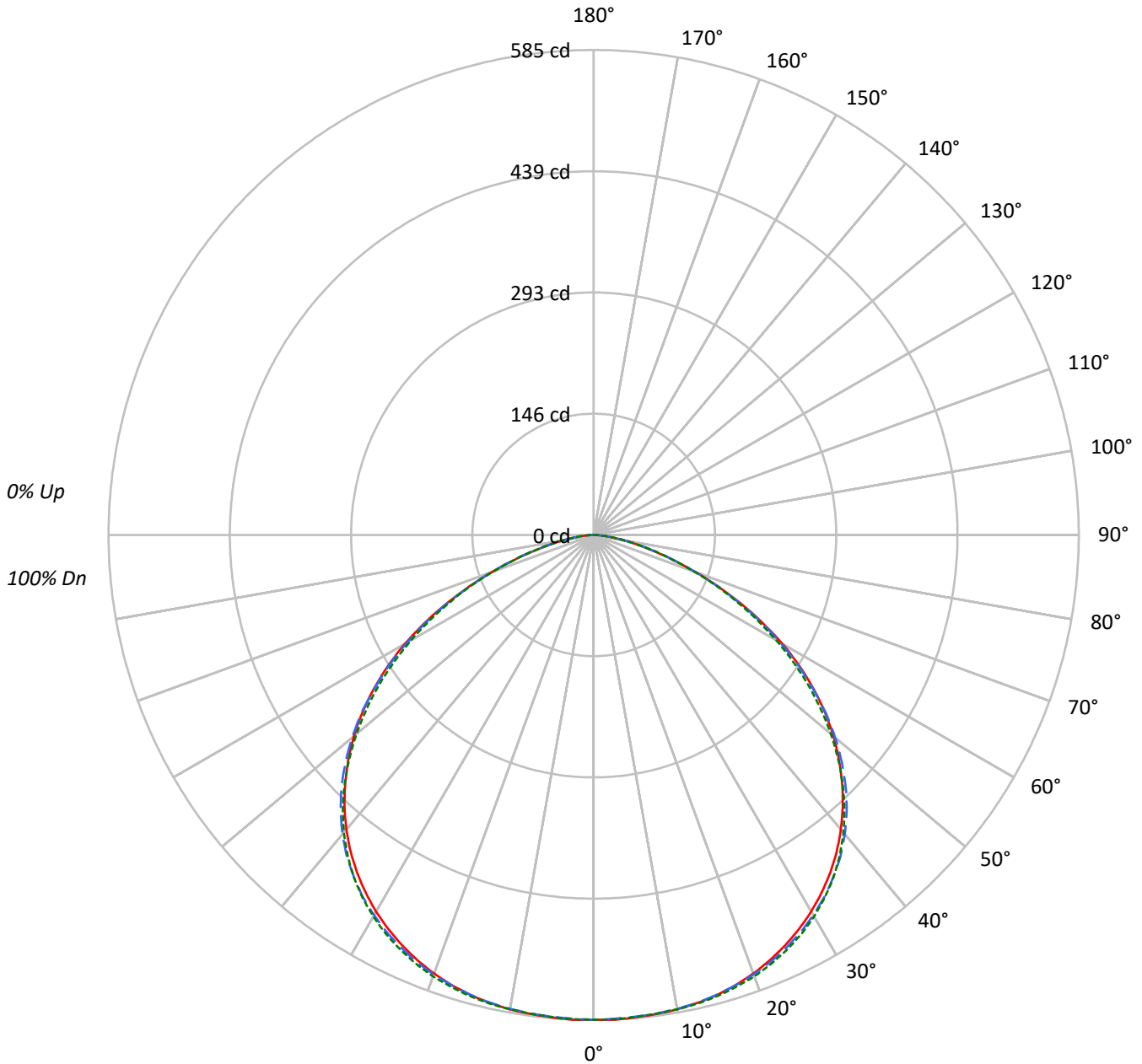
Test Method: LM-79-08  
Report Number: P506184  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-20-PW1-L935  
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1690.4 lumens  
Efficiency: N/A  
Efficacy: 105.0 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44  
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<sub>in</sub>): 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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	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	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	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°	1574	1574	1574
5°	1578	1576	1576
10°	1588	1586	1588
15°	1601	1600	1605
20°	1612	1616	1623
25°	1622	1631	1639
30°	1630	1646	1652
35°	1634	1655	1656
40°	1629	1656	1646
45°	1613	1636	1616
50°	1580	1592	1563
55°	1519	1512	1483
60°	1414	1398	1369
65°	1247	1235	1211
70°	1021	1026	1005
75°	774	800	793
80°	561	583	573
85°	367	380	408



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.6	3.3
10°-20°	162.4	9.6
20°-30°	253.2	15.0
30°-40°	313.8	18.6
40°-50°	328.4	19.4
50°-60°	286.2	16.9
60°-70°	191.7	11.3
70°-80°	83.1	4.9
80°-90°	16.0	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°	471.2	27.9
0°-40°	785.0	46.4
0°-60°	1399.6	82.8
0°-90°	1690.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1690.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	585	585	585	585	585	
5°	584	584	583	583	584	56
15°	574	574	574	575	576	162
25°	546	546	549	551	552	252
35°	497	499	504	504	504	311
45°	424	426	430	426	425	326
55°	324	324	322	319	316	288
65°	196	195	194	192	190	194
75°	74	76	77	76	76	82
85°	12	13	12	12	13	15
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	584.8	584.8	584.8	584.8	584.8
2.5°	585.4	584.4	584.1	584.1	584.8
5°	584.1	583.5	583.3	583.1	583.5
7.5°	582.9	582.1	582.3	581.8	582.3
10°	581.2	580.4	580.4	580.4	581.0
12.5°	578.3	577.7	577.9	578.3	579.1
15°	574.5	573.7	574.3	574.9	576.0
17.5°	569.3	568.7	569.7	570.8	571.6
20°	563.0	562.4	564.3	565.8	566.6
22.5°	555.3	555.1	557.6	559.3	559.9
25°	546.3	546.5	549.4	551.1	552.0
27.5°	536.1	536.5	540.3	541.7	542.6
30°	524.6	525.6	529.6	530.8	531.5
32.5°	511.6	513.1	517.9	518.7	518.7
35°	497.4	499.3	503.9	504.5	504.1
37.5°	481.5	483.6	488.8	488.0	487.4
40°	463.8	466.1	471.3	469.6	468.6
42.5°	444.7	447.0	451.6	449.1	447.7
45°	423.8	426.1	429.9	426.4	424.7
47.5°	401.3	404.0	405.9	401.9	399.8
50°	377.4	378.3	380.2	375.6	373.3
52.5°	351.5	351.5	353.0	348.0	345.3
55°	323.7	323.5	322.3	318.7	316.2
57.5°	294.3	293.0	292.2	288.4	285.5
60°	262.7	260.8	259.8	256.6	254.3
62.5°	229.7	228.6	227.4	224.9	222.4
65°	195.8	194.8	193.9	192.1	190.2
67.5°	162.2	161.6	161.6	160.3	160.1
70°	129.8	130.2	130.4	130.4	127.7
72.5°	100.5	100.7	101.8	100.9	100.7
75°	74.4	75.7	76.9	76.3	76.3
77.5°	53.5	55.4	55.4	55.0	54.3
80°	36.2	37.0	37.6	37.4	37.0
82.5°	23.0	23.6	23.0	23.4	23.6
85°	11.9	12.7	12.3	12.5	13.2
87.5°	4.0	4.4	4.6	4.4	4.4
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)