

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: P505832

Luminaire Tested: **14PD-20-PW1-L930**

Issue Date: 3/26/2021



**Test Information**

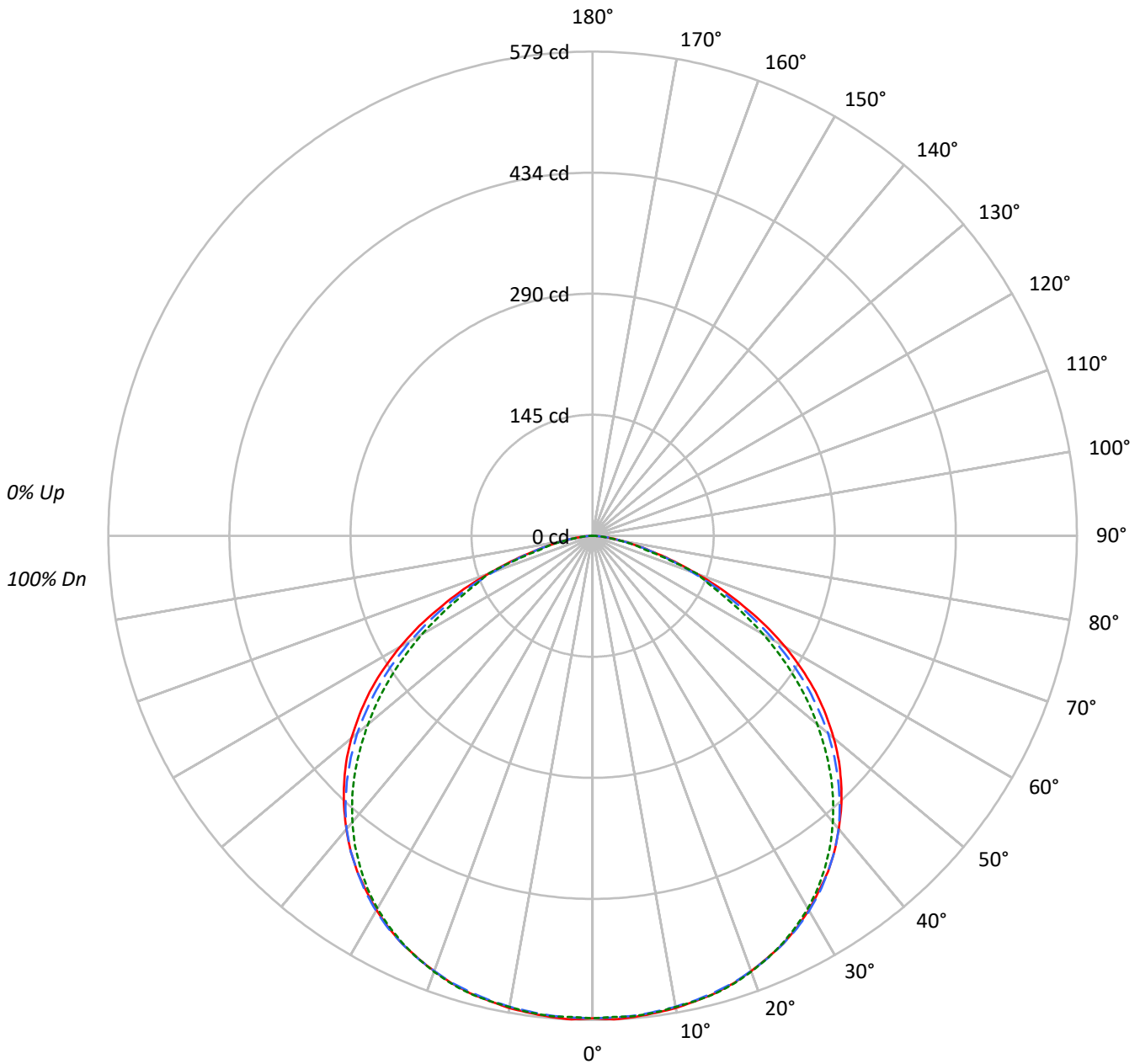
Test Method: LM-79-08  
Report Number: P505832  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-20-PW1-L930  
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1643.1 lumens  
Efficiency: N/A  
Efficacy: 94.4 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 17.4  
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	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	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	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	34	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	30	28																			
10	54	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°	1552	1552	1552
5°	1560	1556	1558
10°	1567	1562	1563
15°	1577	1574	1579
20°	1587	1586	1589
25°	1599	1599	1596
30°	1606	1609	1599
35°	1611	1611	1591
40°	1609	1607	1570
45°	1600	1581	1530
50°	1576	1537	1468
55°	1527	1463	1383
60°	1431	1351	1267
65°	1266	1194	1115
70°	1034	988	1042
75°	780	766	688
80°	561	525	525
85°	352	333	293



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.9	3.3
10°-20°	159.7	9.7
20°-30°	247.9	15.1
30°-40°	305.4	18.6
40°-50°	317.9	19.3
50°-60°	276.5	16.8
60°-70°	185.7	11.3
70°-80°	80.4	4.9
80°-90°	14.8	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°	462.5	28.1
0°-40°	767.9	46.7
0°-60°	1362.2	82.9
0°-90°	1643.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1643.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	577	577	577	577	577	
5°	578	574	576	577	577	55
15°	566	562	565	567	567	160
25°	538	536	538	538	538	248
35°	490	489	490	486	484	307
45°	420	419	416	406	402	324
55°	326	320	312	299	295	289
65°	199	195	188	179	175	197
75°	75	76	74	75	66	83
85°	11	12	11	10	10	15
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	576.9	576.9	576.9	576.9	576.9
2.5°	578.9	575.3	576.6	578.6	576.0
5°	577.6	574.0	576.0	577.3	576.6
7.5°	575.6	573.0	574.0	575.3	575.0
10°	573.4	570.7	571.7	573.0	572.1
12.5°	569.8	566.8	568.8	570.1	569.8
15°	566.2	562.3	564.9	566.8	566.8
17.5°	561.0	557.7	560.3	561.9	561.6
20°	554.1	551.8	553.8	555.1	554.8
22.5°	546.3	544.7	546.9	546.9	546.9
25°	538.5	535.9	538.5	538.5	537.5
27.5°	528.4	526.1	529.3	528.4	526.7
30°	516.9	515.6	517.9	516.3	514.7
32.5°	503.6	502.9	505.2	501.9	500.6
35°	490.5	489.2	490.5	486.3	484.3
37.5°	475.2	473.9	475.2	469.6	466.7
40°	457.9	456.9	457.6	450.4	446.8
42.5°	440.0	439.0	437.4	428.6	425.6
45°	420.4	419.1	415.5	406.0	402.1
47.5°	399.5	397.2	392.0	381.9	376.7
50°	376.4	373.1	367.2	356.1	350.6
52.5°	351.3	347.3	339.8	328.8	323.5
55°	325.5	319.6	311.8	299.4	294.8
57.5°	296.1	289.9	281.8	270.4	265.2
60°	265.8	259.6	251.1	240.7	235.5
62.5°	233.5	228.0	219.5	209.7	205.1
65°	198.9	195.4	187.5	178.7	175.1
67.5°	166.3	162.7	156.2	148.7	150.0
70°	131.4	131.1	125.6	120.3	132.4
72.5°	102.4	101.8	98.8	96.2	95.6
75°	75.0	75.7	73.7	75.3	66.2
77.5°	52.8	53.5	53.2	48.6	50.9
80°	36.2	36.2	33.9	32.3	33.9
82.5°	21.9	26.1	23.5	19.2	18.6
85°	11.4	11.7	10.8	9.5	9.5
87.5°	4.2	4.9	4.2	3.9	3.6
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)