

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: P506180

Luminaire Tested: **22PD-20-PW1-L840**

Issue Date: 3/26/2021



**Test Information**

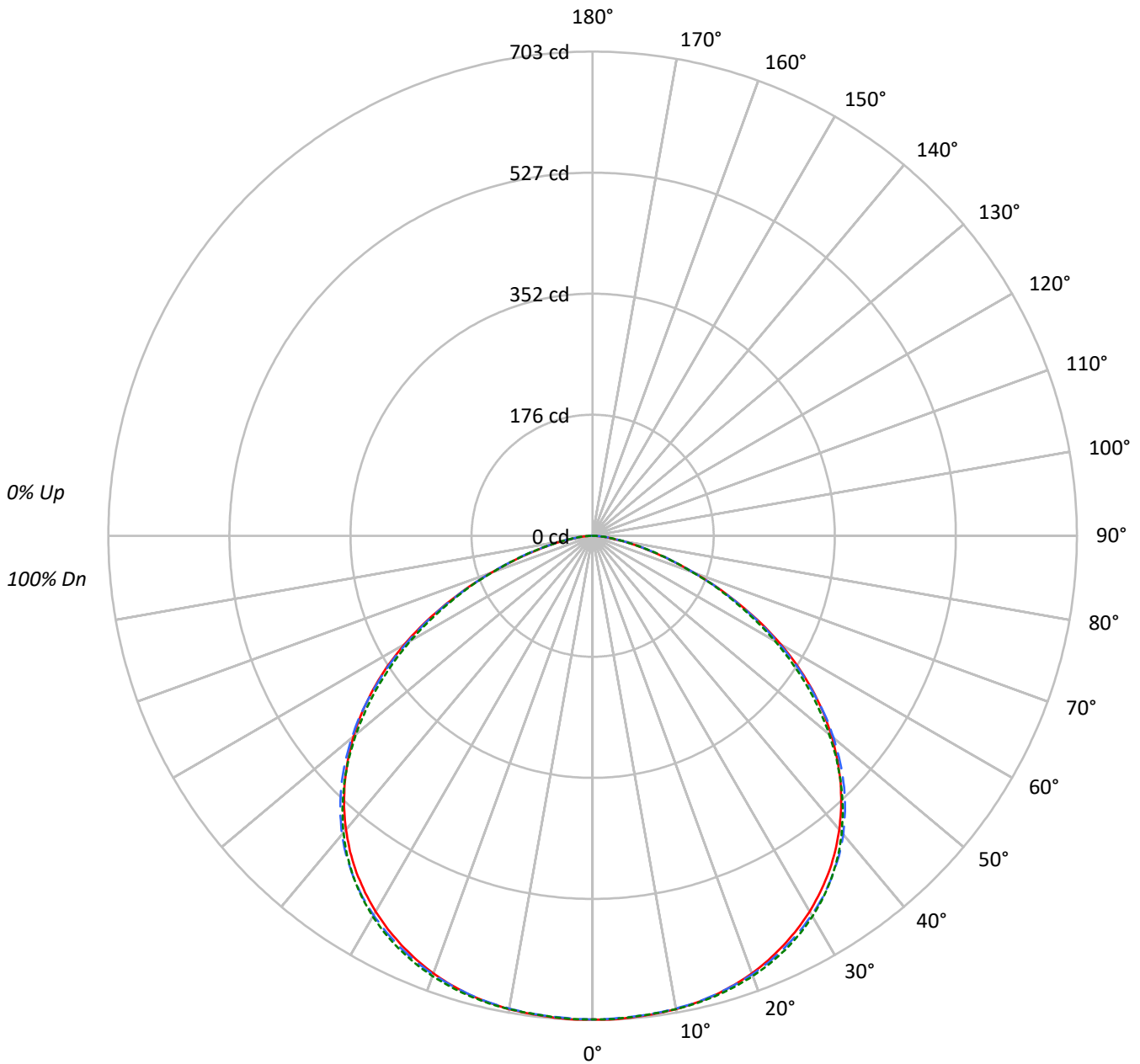
Test Method: LM-79-08  
Report Number: P506180  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-20-PW1-L840  
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2030.1 lumens  
Efficiency: N/A  
Efficacy: 126.1 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				20				
RC	80				70				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	83	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°	1890	1890	1890
5°	1895	1892	1893
10°	1907	1905	1907
15°	1922	1921	1927
20°	1936	1941	1948
25°	1948	1959	1968
30°	1958	1976	1983
35°	1963	1988	1989
40°	1957	1988	1977
45°	1937	1965	1941
50°	1898	1912	1877
55°	1824	1816	1782
60°	1698	1679	1644
65°	1498	1483	1454
70°	1227	1232	1207
75°	930	961	952
80°	673	700	688
85°	442	457	488



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.8	3.3
10°-20°	195.0	9.6
20°-30°	304.1	15.0
30°-40°	376.9	18.6
40°-50°	394.4	19.4
50°-60°	343.7	16.9
60°-70°	230.2	11.3
70°-80°	99.8	4.9
80°-90°	19.2	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°	565.9	27.9
0°-40°	942.8	46.4
0°-60°	1680.8	82.8
0°-90°	2030.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2030.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	702	702	702	702	702	
5°	702	701	700	700	701	67
15°	690	689	690	690	692	195
25°	656	656	660	662	663	303
35°	597	600	605	606	605	373
45°	509	512	516	512	510	392
55°	389	388	387	383	380	346
65°	235	234	233	231	228	233
75°	89	91	92	92	92	98
85°	14	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°	702.3	702.3	702.3	702.3	702.3
2.5°	703.0	701.8	701.5	701.5	702.3
5°	701.5	700.8	700.5	700.3	700.8
7.5°	700.0	699.0	699.3	698.8	699.3
10°	698.0	697.0	697.0	697.0	697.8
12.5°	694.5	693.7	694.0	694.5	695.5
15°	690.0	689.0	689.7	690.5	691.7
17.5°	683.7	683.0	684.2	685.5	686.5
20°	676.2	675.4	677.7	679.4	680.4
22.5°	666.9	666.6	669.7	671.7	672.4
25°	656.1	656.3	659.9	661.9	662.9
27.5°	643.8	644.3	648.8	650.6	651.6
30°	630.0	631.2	636.0	637.5	638.3
32.5°	614.4	616.2	622.0	623.0	623.0
35°	597.4	599.6	605.1	605.9	605.4
37.5°	578.3	580.8	587.1	586.1	585.3
40°	557.0	559.7	566.0	564.0	562.7
42.5°	534.1	536.9	542.4	539.4	537.6
45°	509.0	511.8	516.3	512.0	510.0
47.5°	481.9	485.2	487.4	482.7	480.2
50°	453.3	454.3	456.6	451.0	448.3
52.5°	422.2	422.2	423.9	417.9	414.6
55°	388.8	388.5	387.0	382.8	379.8
57.5°	353.4	351.9	350.9	346.4	342.9
60°	315.5	313.2	312.0	308.2	305.5
62.5°	275.8	274.6	273.1	270.1	267.1
65°	235.2	233.9	232.9	230.7	228.4
67.5°	194.8	194.0	194.0	192.5	192.3
70°	155.9	156.4	156.6	156.6	153.4
72.5°	120.7	121.0	122.2	121.2	121.0
75°	89.4	90.9	92.4	91.6	91.6
77.5°	64.3	66.5	66.5	66.0	65.3
80°	43.4	44.4	45.2	44.9	44.4
82.5°	27.6	28.4	27.6	28.1	28.4
85°	14.3	15.3	14.8	15.1	15.8
87.5°	4.8	5.3	5.5	5.3	5.3
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)