

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: P506146

Luminaire Tested: **14PD-80-PR1-L927**

Issue Date: 3/26/2021

**Test Information**

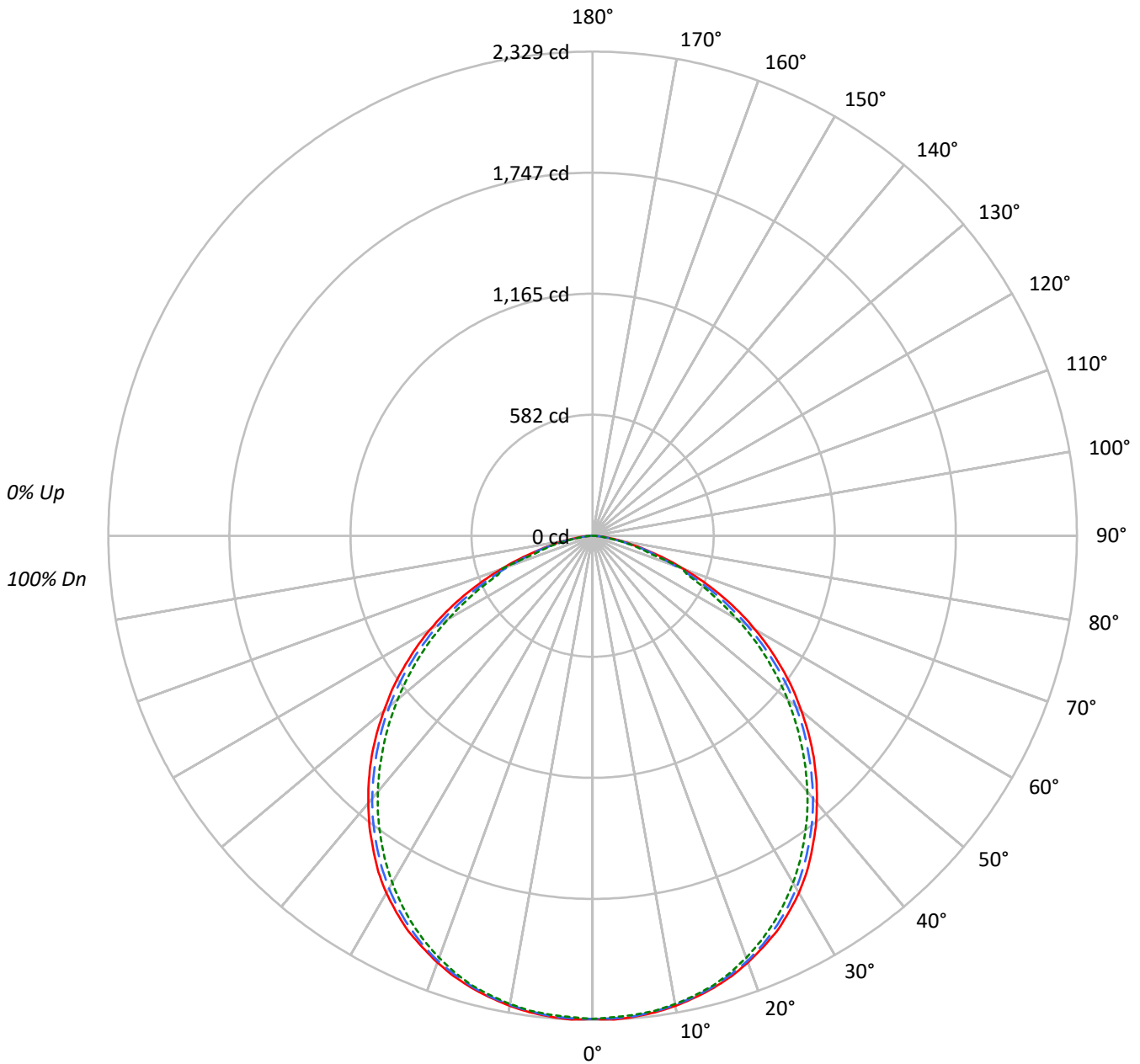
Test Method: LM-79-08  
Report Number: P506146  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-80-PR1-L927  
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
2700K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5980.0 lumens  
Efficiency: N/A  
Efficacy: 70.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 84.4  
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	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6253	6253	6253
5°	6274	6264	6249
10°	6274	6261	6249
15°	6272	6252	6240
20°	6255	6233	6186
25°	6230	6175	6107
30°	6165	6087	5990
35°	6046	5955	5834
40°	5895	5793	5644
45°	5720	5580	5405
50°	5483	5339	5122
55°	5216	5011	4773
60°	4856	4602	4317
65°	4360	4052	3789
70°	3667	3341	3613
75°	2824	2717	2441
80°	2033	1819	1729
85°	1244	1065	960



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.3	3.7
10°-20°	632.8	10.6
20°-30°	955.8	16.0
30°-40°	1130.8	18.9
40°-50°	1127.5	18.9
50°-60°	952.5	15.9
60°-70°	634.6	10.6
70°-80°	275.7	4.6
80°-90°	50.0	0.8
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°	1808.9	30.2
0°-40°	2939.7	49.2
0°-60°	5019.6	83.9
0°-90°	5980.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5980.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2324	2324	2324	2324	2324	
5°	2322	2313	2319	2317	2313	221
15°	2251	2241	2244	2241	2240	635
25°	2098	2084	2080	2061	2057	965
35°	1840	1828	1813	1788	1776	1151
45°	1503	1489	1466	1435	1420	1157
55°	1112	1104	1068	1034	1017	993
65°	685	677	636	609	595	677
75°	272	266	261	252	235	297
85°	40	41	34	32	31	55
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2323.7	2323.7	2323.7	2323.7	2323.7
2.5°	2329.4	2319.1	2323.7	2323.7	2317.9
5°	2322.5	2313.3	2319.1	2316.8	2313.3
7.5°	2312.2	2302.9	2306.4	2305.3	2304.1
10°	2296.0	2286.8	2291.4	2289.1	2286.8
12.5°	2275.3	2266.1	2270.7	2267.3	2265.0
15°	2251.2	2240.8	2244.3	2240.8	2239.7
17.5°	2221.2	2210.9	2212.0	2207.4	2202.8
20°	2184.4	2175.2	2176.4	2164.8	2160.2
22.5°	2141.8	2132.6	2131.5	2116.5	2110.7
25°	2098.1	2084.3	2079.7	2061.3	2056.7
27.5°	2042.8	2030.2	2023.3	2003.7	1994.5
30°	1984.2	1970.3	1958.8	1937.0	1927.8
32.5°	1917.4	1903.6	1888.6	1865.6	1855.2
35°	1840.3	1827.6	1812.7	1788.5	1775.8
37.5°	1763.2	1749.4	1734.4	1705.6	1695.3
40°	1678.0	1665.4	1649.2	1618.2	1606.7
42.5°	1592.8	1577.9	1558.3	1528.4	1515.7
45°	1503.1	1489.3	1466.2	1435.2	1420.2
47.5°	1408.7	1397.2	1373.0	1339.6	1323.5
50°	1309.7	1300.5	1275.2	1238.4	1223.4
52.5°	1215.3	1202.7	1173.9	1137.1	1121.0
55°	1111.8	1103.7	1068.0	1033.5	1017.4
57.5°	1008.2	997.8	962.2	927.6	912.7
60°	902.3	893.1	855.1	820.6	802.2
62.5°	795.3	784.9	744.6	713.6	696.3
65°	684.8	676.7	636.4	608.8	595.0
67.5°	574.3	568.5	526.0	502.9	492.6
70°	466.1	458.1	424.7	415.5	459.2
72.5°	366.0	355.6	326.9	311.9	300.4
75°	271.6	265.9	261.3	252.0	234.8
77.5°	191.0	189.9	173.8	161.1	173.8
80°	131.2	135.8	117.4	107.0	111.6
82.5°	80.6	89.8	70.2	62.1	59.8
85°	40.3	41.4	34.5	32.2	31.1
87.5°	15.0	17.3	15.0	12.7	12.7
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)