

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: P506139

Luminaire Tested: **14PD-80-PL1-L935**

Issue Date: 3/26/2021



**Test Information**

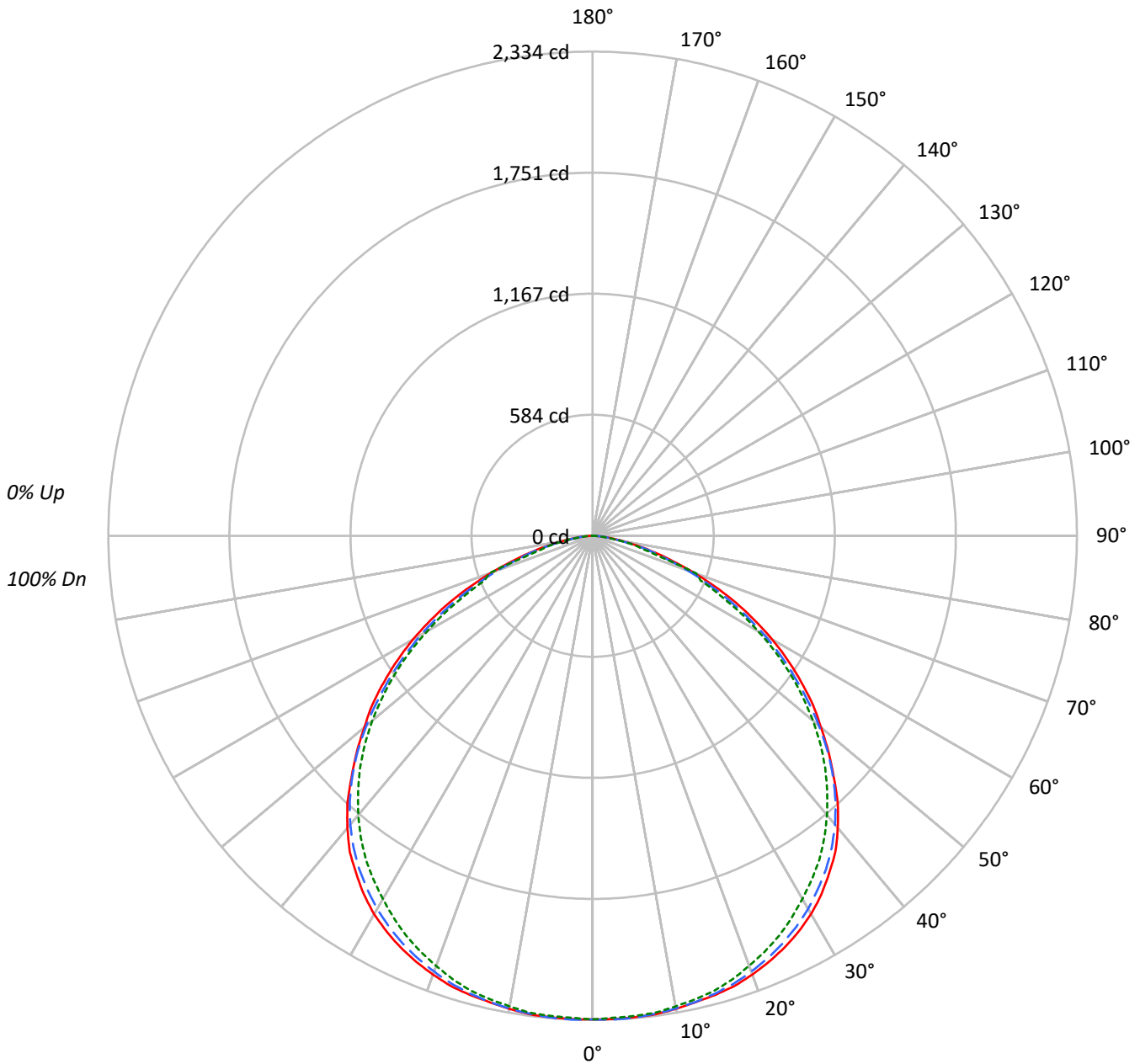
Test Method: LM-79-08  
Report Number: P506139  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-80-PL1-L935  
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6480.0 lumens  
Efficiency: N/A  
Efficacy: 76.8 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41  
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	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

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

	0°	45°	90°
0°	6274	6274	6274
5°	6294	6298	6277
10°	6329	6322	6294
15°	6381	6363	6324
20°	6446	6402	6317
25°	6501	6436	6315
30°	6545	6453	6282
35°	6528	6444	6259
40°	6459	6382	6171
45°	6251	6232	6032
50°	6014	5960	5799
55°	5755	5586	5460
60°	5375	5134	4961
65°	4842	4541	4296
70°	4050	3798	4171
75°	3195	3075	2663
80°	2301	2044	2083
85°	1463	1226	1145



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.7	3.4
10°-20°	644.3	9.9
20°-30°	996.3	15.4
30°-40°	1219.3	18.8
40°-50°	1250.0	19.3
50°-60°	1064.6	16.4
60°-70°	711.4	11.0
70°-80°	315.3	4.9
80°-90°	57.0	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°	1862.3	28.7
0°-40°	3081.6	47.6
0°-60°	5396.2	83.3
0°-90°	6480.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6480.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2332	2332	2332	2332	2332	
5°	2330	2325	2332	2330	2324	222
15°	2290	2283	2284	2278	2270	648
25°	2189	2182	2168	2140	2127	1010
35°	1987	1982	1962	1918	1905	1243
45°	1643	1648	1638	1600	1585	1268
55°	1227	1220	1191	1166	1164	1094
65°	760	754	713	681	675	750
75°	307	311	296	297	256	333
85°	47	46	40	38	37	63
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2331.5	2331.5	2331.5	2331.5	2331.5
2.5°	2331.5	2327.7	2334.1	2336.6	2325.1
5°	2330.2	2325.1	2331.5	2330.2	2323.8
7.5°	2326.4	2317.4	2323.8	2321.3	2318.7
10°	2316.1	2308.5	2313.6	2309.7	2303.3
12.5°	2302.1	2296.9	2300.8	2296.9	2288.0
15°	2290.5	2282.9	2284.1	2277.7	2270.1
17.5°	2275.2	2263.6	2263.6	2250.8	2241.9
20°	2250.8	2240.6	2235.5	2217.6	2206.0
22.5°	2222.7	2215.0	2204.8	2181.7	2168.9
25°	2189.4	2181.7	2167.6	2139.5	2126.7
27.5°	2151.0	2140.7	2125.4	2092.1	2076.7
30°	2106.2	2093.4	2076.7	2039.6	2021.7
32.5°	2051.1	2042.1	2020.4	1982.0	1965.3
35°	1987.1	1982.0	1961.5	1918.0	1905.2
37.5°	1921.8	1911.6	1893.6	1847.5	1834.7
40°	1838.6	1832.2	1816.8	1772.0	1756.6
42.5°	1749.0	1745.1	1732.3	1690.1	1673.4
45°	1642.7	1647.8	1637.6	1600.4	1585.1
47.5°	1541.5	1539.0	1535.1	1501.8	1489.0
50°	1436.5	1431.4	1423.7	1396.9	1385.3
52.5°	1338.0	1327.7	1307.2	1284.2	1276.5
55°	1226.6	1220.2	1190.7	1166.4	1163.8
57.5°	1113.9	1110.1	1074.2	1046.0	1046.0
60°	998.7	993.5	953.9	924.4	921.8
62.5°	878.3	874.5	833.5	800.2	801.5
65°	760.5	754.1	713.2	681.1	674.7
67.5°	637.6	635.1	595.4	565.9	563.4
70°	514.7	514.7	482.7	457.1	530.1
72.5°	405.9	402.0	376.4	364.9	348.3
75°	307.3	311.1	295.8	297.0	256.1
77.5°	218.9	212.5	206.1	192.1	203.6
80°	148.5	144.7	131.9	128.0	134.4
82.5°	92.2	93.5	81.9	74.3	73.0
85°	47.4	46.1	39.7	38.4	37.1
87.5°	17.9	19.2	16.6	15.4	14.1
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)