

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: P506028

Luminaire Tested: **14PD-60-PL1-L850**

Issue Date: 3/26/2021

**Test Information**

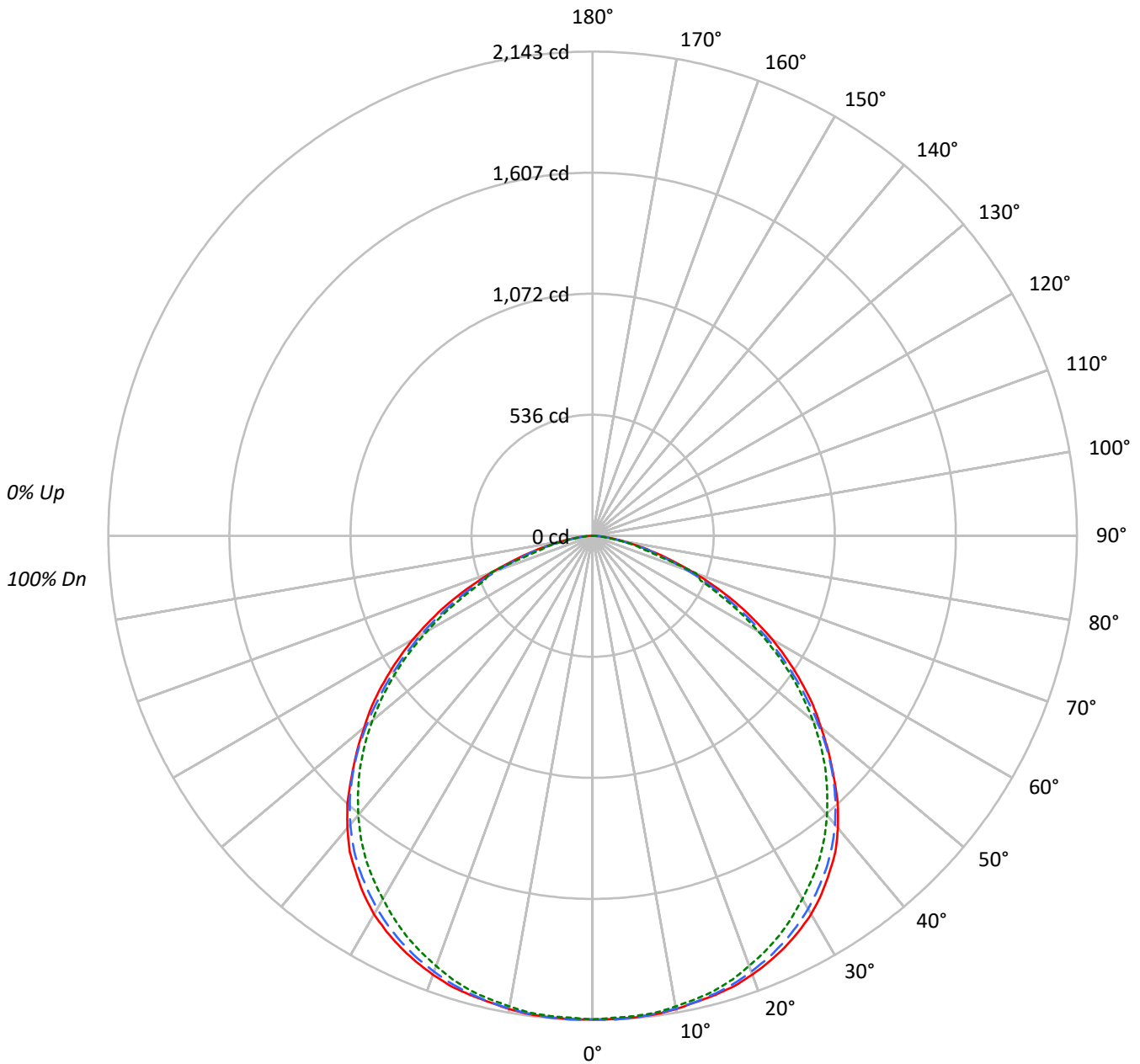
Test Method: LM-79-08  
Report Number: P506028  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-60-PL1-L850  
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5950.4 lumens  
Efficiency: N/A  
Efficacy: 100.3 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): 59.3  
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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CATALOG NUMBER: 14PD-60-PL1-L850

### 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°	5761	5761	5761
5°	5780	5783	5764
10°	5812	5805	5779
15°	5860	5843	5807
20°	5919	5879	5801
25°	5970	5910	5798
30°	6009	5926	5768
35°	5994	5917	5747
40°	5931	5860	5667
45°	5740	5723	5539
50°	5522	5473	5326
55°	5284	5130	5014
60°	4936	4714	4556
65°	4447	4170	3945
70°	3718	3487	3829
75°	2934	2824	2444
80°	2114	1877	1912
85°	1343	1124	1053



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.6	3.4
10°-20°	591.7	9.9
20°-30°	914.8	15.4
30°-40°	1119.7	18.8
40°-50°	1147.8	19.3
50°-60°	977.6	16.4
60°-70°	653.3	11.0
70°-80°	289.5	4.9
80°-90°	52.4	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°	1710.1	28.7
0°-40°	2829.7	47.6
0°-60°	4955.2	83.3
0°-90°	5950.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5950.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2141	2141	2141	2141	2141	
5°	2140	2135	2141	2140	2134	204
15°	2103	2096	2098	2092	2084	595
25°	2010	2003	1990	1965	1953	927
35°	1825	1820	1801	1761	1750	1141
45°	1508	1513	1504	1470	1456	1164
55°	1126	1120	1093	1071	1069	1005
65°	698	692	655	626	620	688
75°	282	286	272	273	235	306
85°	44	42	36	35	34	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2141.0	2141.0	2141.0	2141.0	2141.0
2.5°	2141.0	2137.4	2143.3	2145.7	2135.1
5°	2139.8	2135.1	2141.0	2139.8	2133.9
7.5°	2136.3	2128.0	2133.9	2131.6	2129.2
10°	2126.9	2119.8	2124.5	2121.0	2115.1
12.5°	2113.9	2109.2	2112.7	2109.2	2101.0
15°	2103.3	2096.3	2097.5	2091.6	2084.5
17.5°	2089.2	2078.6	2078.6	2066.9	2058.7
20°	2066.9	2057.5	2052.8	2036.3	2025.7
22.5°	2041.0	2034.0	2024.6	2003.4	1991.6
25°	2010.5	2003.4	1990.5	1964.6	1952.8
27.5°	1975.2	1965.8	1951.7	1921.1	1907.0
30°	1934.0	1922.3	1907.0	1872.9	1856.4
32.5°	1883.5	1875.3	1855.3	1820.0	1804.7
35°	1824.7	1820.0	1801.2	1761.2	1749.5
37.5°	1764.7	1755.3	1738.9	1696.5	1684.8
40°	1688.3	1682.4	1668.3	1627.2	1613.1
42.5°	1606.0	1602.5	1590.7	1551.9	1536.6
45°	1508.4	1513.1	1503.7	1469.6	1455.5
47.5°	1415.6	1413.2	1409.7	1379.1	1367.3
50°	1319.1	1314.4	1307.4	1282.7	1272.1
52.5°	1228.6	1219.2	1200.4	1179.2	1172.2
55°	1126.3	1120.4	1093.4	1071.1	1068.7
57.5°	1022.9	1019.3	986.4	960.6	960.6
60°	917.1	912.3	875.9	848.9	846.5
62.5°	806.5	803.0	765.4	734.8	736.0
65°	698.4	692.5	654.9	625.5	619.6
67.5°	585.5	583.2	546.7	519.7	517.3
70°	472.6	472.6	443.2	419.7	486.7
72.5°	372.7	369.2	345.7	335.1	319.8
75°	282.2	285.7	271.6	272.8	235.1
77.5°	201.0	195.2	189.3	176.4	186.9
80°	136.4	132.9	121.1	117.6	123.4
82.5°	84.7	85.8	75.2	68.2	67.0
85°	43.5	42.3	36.4	35.3	34.1
87.5°	16.5	17.6	15.3	14.1	12.9
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)