

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: P506050

Luminaire Tested: **14PD-60-PW1-L940**

Issue Date: 3/26/2021



**Test Information**

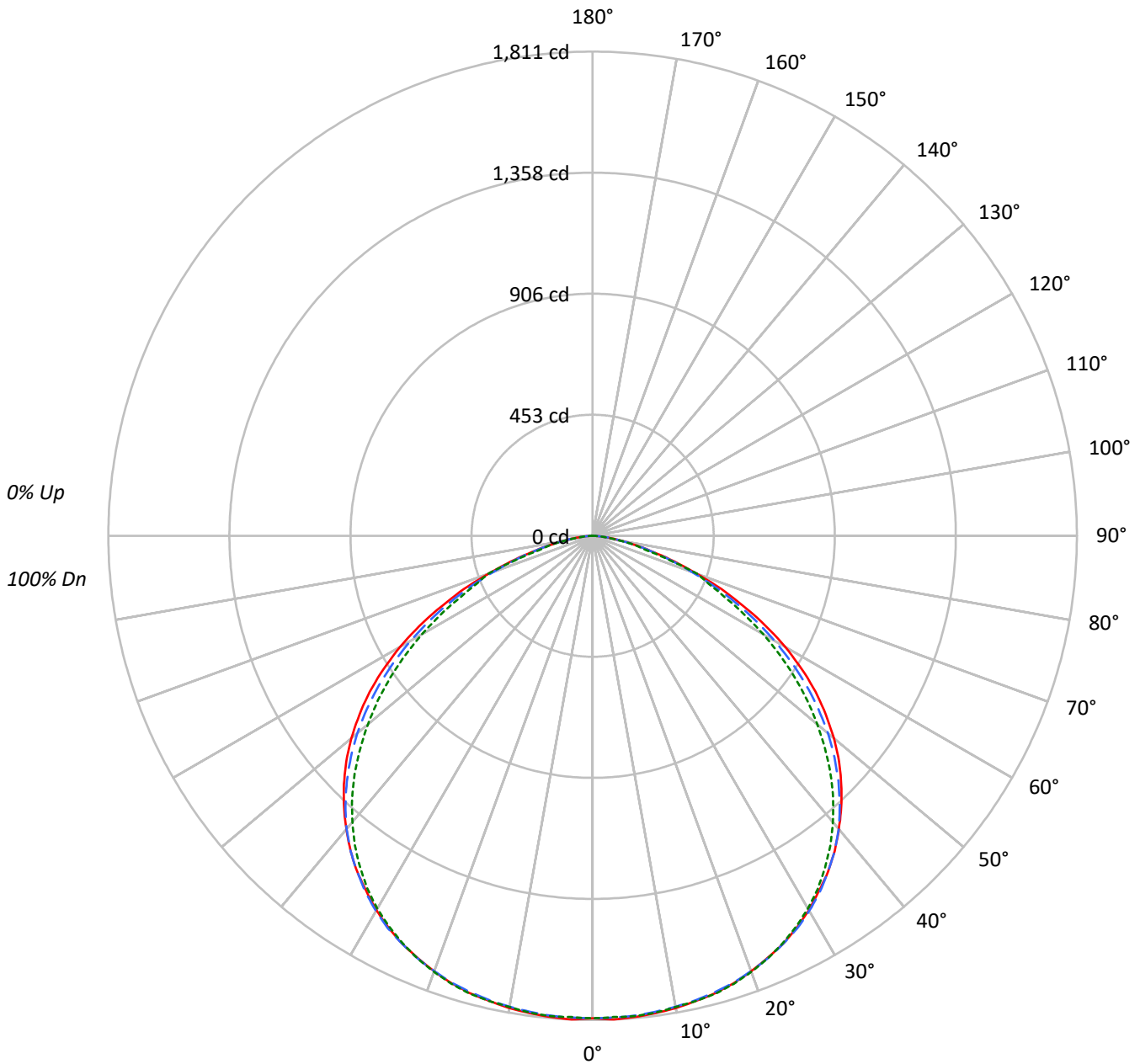
Test Method: LM-79-08  
Report Number: P506050  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-60-PW1-L940  
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5140.4 lumens  
Efficiency: N/A  
Efficacy: 86.7 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): 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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### 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			100
1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72			72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61			61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52			52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45			45
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39			39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35			35
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31			31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28			28
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			25

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

	0°	45°	90°
0°	4857	4857	4857
5°	4881	4867	4873
10°	4901	4887	4890
15°	4935	4923	4940
20°	4964	4961	4970
25°	5002	5002	4993
30°	5025	5035	5003
35°	5041	5041	4978
40°	5032	5029	4910
45°	5005	4947	4788
50°	4929	4810	4592
55°	4777	4576	4328
60°	4476	4228	3965
65°	3963	3736	3489
70°	3235	3091	3259
75°	2440	2398	2153
80°	1756	1644	1644
85°	1102	1041	914



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.6	3.3
10°-20°	499.6	9.7
20°-30°	775.6	15.1
30°-40°	955.3	18.6
40°-50°	994.6	19.3
50°-60°	864.9	16.8
60°-70°	581.1	11.3
70°-80°	251.5	4.9
80°-90°	46.2	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°	1446.9	28.1
0°-40°	2402.2	46.7
0°-60°	4261.7	82.9
0°-90°	5140.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5140.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1805	1805	1805	1805	1805	
5°	1807	1796	1802	1806	1804	172
15°	1771	1759	1767	1773	1773	500
25°	1684	1676	1684	1684	1682	776
35°	1535	1530	1535	1521	1515	959
45°	1315	1311	1300	1270	1258	1013
55°	1018	1000	975	937	922	905
65°	622	611	587	559	548	616
75°	235	237	231	236	207	259
85°	36	37	34	30	30	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1804.9	1804.9	1804.9	1804.9	1804.9
2.5°	1811.1	1799.8	1803.9	1810.0	1801.9
5°	1807.0	1795.8	1801.9	1806.0	1803.9
7.5°	1800.9	1792.7	1795.8	1799.8	1798.8
10°	1793.7	1785.6	1788.6	1792.7	1789.6
12.5°	1782.5	1773.3	1779.4	1783.5	1782.5
15°	1771.3	1759.0	1767.2	1773.3	1773.3
17.5°	1754.9	1744.7	1752.9	1758.0	1757.0
20°	1733.5	1726.4	1732.5	1736.6	1735.6
22.5°	1709.0	1703.9	1711.1	1711.1	1711.1
25°	1684.5	1676.4	1684.5	1684.5	1681.5
27.5°	1652.9	1645.8	1656.0	1652.9	1647.8
30°	1617.2	1613.1	1620.3	1615.2	1610.1
32.5°	1575.4	1573.3	1580.5	1570.3	1566.2
35°	1534.6	1530.5	1534.6	1521.3	1515.2
37.5°	1486.6	1482.5	1486.6	1469.3	1460.1
40°	1432.5	1429.5	1431.5	1409.1	1397.8
42.5°	1376.4	1373.3	1368.2	1340.7	1331.5
45°	1315.2	1311.1	1299.9	1270.3	1258.1
47.5°	1249.9	1242.7	1226.4	1194.8	1178.5
50°	1177.4	1167.2	1148.9	1114.2	1096.8
52.5°	1098.9	1086.6	1063.2	1028.5	1012.2
55°	1018.3	999.9	975.4	936.7	922.4
57.5°	926.4	907.1	881.6	845.8	829.5
60°	831.6	812.2	785.6	753.0	736.7
62.5°	730.5	713.2	686.7	656.1	641.8
65°	622.4	611.2	586.7	559.1	547.9
67.5°	520.4	509.1	488.7	465.3	469.3
70°	411.2	410.2	392.8	376.5	414.2
72.5°	320.4	318.3	309.2	301.0	299.0
75°	234.7	236.7	230.6	235.7	207.1
77.5°	165.3	167.3	166.3	152.0	159.2
80°	113.3	113.3	106.1	101.0	106.1
82.5°	68.4	81.6	73.5	60.2	58.2
85°	35.7	36.7	33.7	29.6	29.6
87.5°	13.3	15.3	13.3	12.2	11.2
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)