

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: P506017

Luminaire Tested: **14PD-55-PW1-L835**

Issue Date: 3/26/2021



**Test Information**

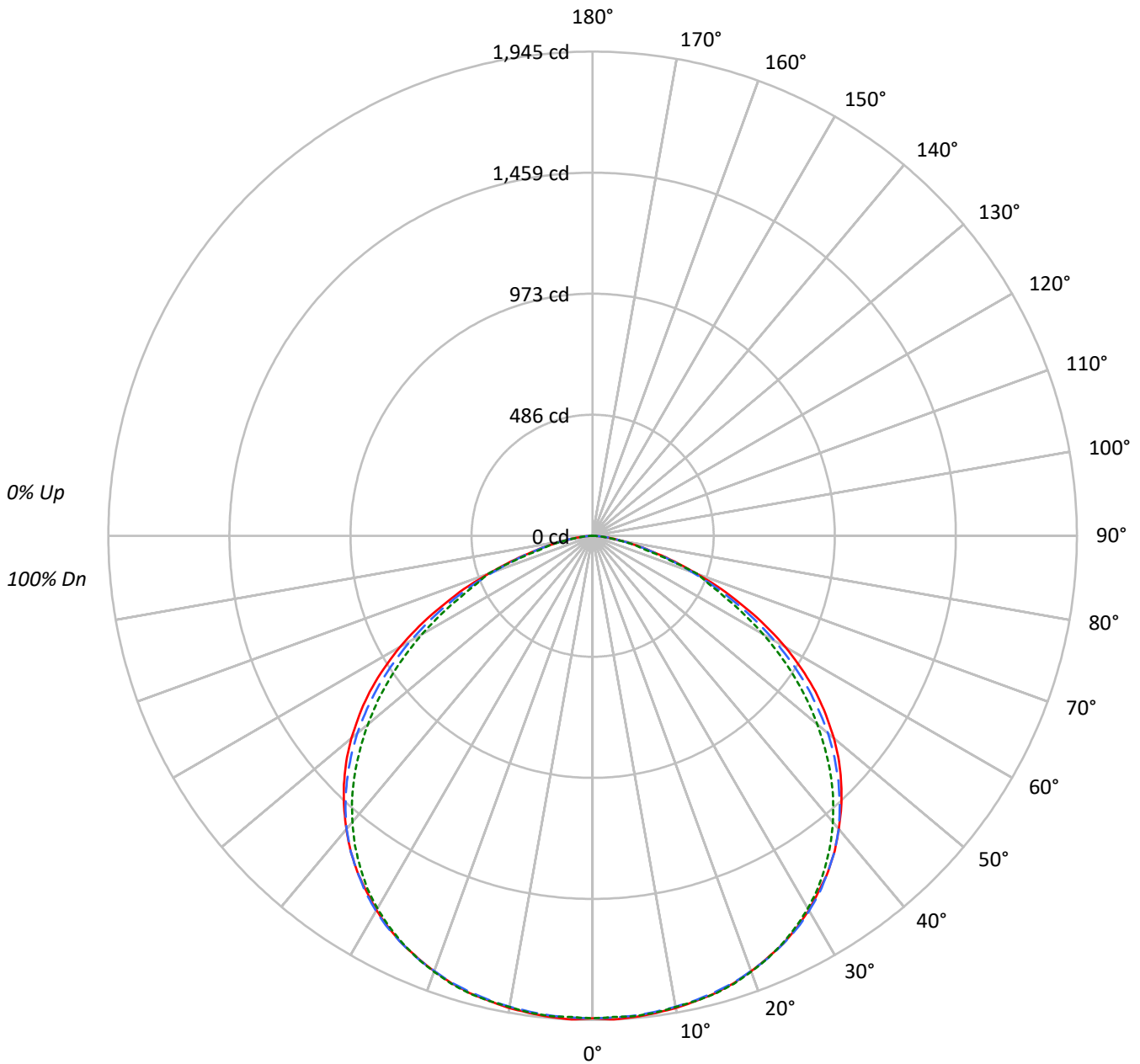
Test Method: LM-79-08  
Report Number: P506017  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-55-PW1-L835  
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5520.3 lumens  
Efficiency: N/A  
Efficacy: 102.0 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): 54.1  
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									
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	97	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	77	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	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°	5216	5216	5216
5°	5242	5227	5233
10°	5264	5249	5252
15°	5299	5287	5305
20°	5331	5328	5337
25°	5371	5371	5361
30°	5396	5407	5372
35°	5414	5414	5345
40°	5404	5400	5273
45°	5375	5312	5141
50°	5294	5165	4931
55°	5130	4914	4647
60°	4806	4541	4258
65°	4256	4011	3747
70°	3474	3319	3500
75°	2620	2574	2312
80°	1884	1767	1767
85°	1186	1118	982



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.3	3.3
10°-20°	536.6	9.7
20°-30°	832.9	15.1
30°-40°	1025.9	18.6
40°-50°	1068.1	19.3
50°-60°	928.8	16.8
60°-70°	624.0	11.3
70°-80°	270.1	4.9
80°-90°	49.6	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°	1553.8	28.1
0°-40°	2579.7	46.7
0°-60°	4576.6	82.9
0°-90°	5520.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5520.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1938	1938	1938	1938	1938	
5°	1940	1928	1935	1939	1937	185
15°	1902	1889	1898	1904	1904	537
25°	1809	1800	1809	1809	1806	834
35°	1648	1644	1648	1634	1627	1030
45°	1412	1408	1396	1364	1351	1088
55°	1094	1074	1048	1006	990	972
65°	668	656	630	600	588	662
75°	252	254	248	253	222	278
85°	38	39	36	32	32	51
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1938.3	1938.3	1938.3	1938.3	1938.3
2.5°	1944.9	1932.8	1937.2	1943.8	1935.0
5°	1940.5	1928.5	1935.0	1939.4	1937.2
7.5°	1933.9	1925.2	1928.5	1932.8	1931.8
10°	1926.3	1917.5	1920.8	1925.2	1921.9
12.5°	1914.2	1904.4	1910.9	1915.3	1914.2
15°	1902.2	1889.0	1897.8	1904.4	1904.4
17.5°	1884.6	1873.7	1882.4	1887.9	1886.8
20°	1861.6	1854.0	1860.5	1864.9	1863.8
22.5°	1835.3	1829.9	1837.5	1837.5	1837.5
25°	1809.0	1800.3	1809.0	1809.0	1805.7
27.5°	1775.1	1767.4	1778.4	1775.1	1769.6
30°	1736.7	1732.3	1740.0	1734.5	1729.0
32.5°	1691.8	1689.6	1697.3	1686.3	1681.9
35°	1648.0	1643.6	1648.0	1633.7	1627.1
37.5°	1596.5	1592.1	1596.5	1577.8	1568.0
40°	1538.4	1535.1	1537.3	1513.2	1501.1
42.5°	1478.1	1474.8	1469.4	1439.8	1429.9
45°	1412.4	1408.0	1395.9	1364.2	1351.0
47.5°	1342.3	1334.6	1317.1	1283.1	1265.6
50°	1264.5	1253.5	1233.8	1196.5	1177.9
52.5°	1180.1	1166.9	1141.7	1104.5	1087.0
55°	1093.5	1073.8	1047.5	1005.9	990.5
57.5°	994.9	974.1	946.7	908.4	890.8
60°	893.0	872.2	843.7	808.6	791.1
62.5°	784.5	765.9	737.4	704.5	689.2
65°	668.4	656.3	630.0	600.5	588.4
67.5°	558.8	546.8	524.8	499.6	504.0
70°	441.6	440.5	421.9	404.3	444.9
72.5°	344.1	341.9	332.0	323.2	321.0
75°	252.0	254.2	247.6	253.1	222.4
77.5°	177.5	179.7	178.6	163.3	170.9
80°	121.6	121.6	114.0	108.5	114.0
82.5°	73.4	87.7	78.9	64.6	62.5
85°	38.4	39.4	36.2	31.8	31.8
87.5°	14.2	16.4	14.2	13.1	12.1
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)