

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: P506022

Luminaire Tested: **14PD-55-PW1-L935**

Issue Date: 3/26/2021



**Test Information**

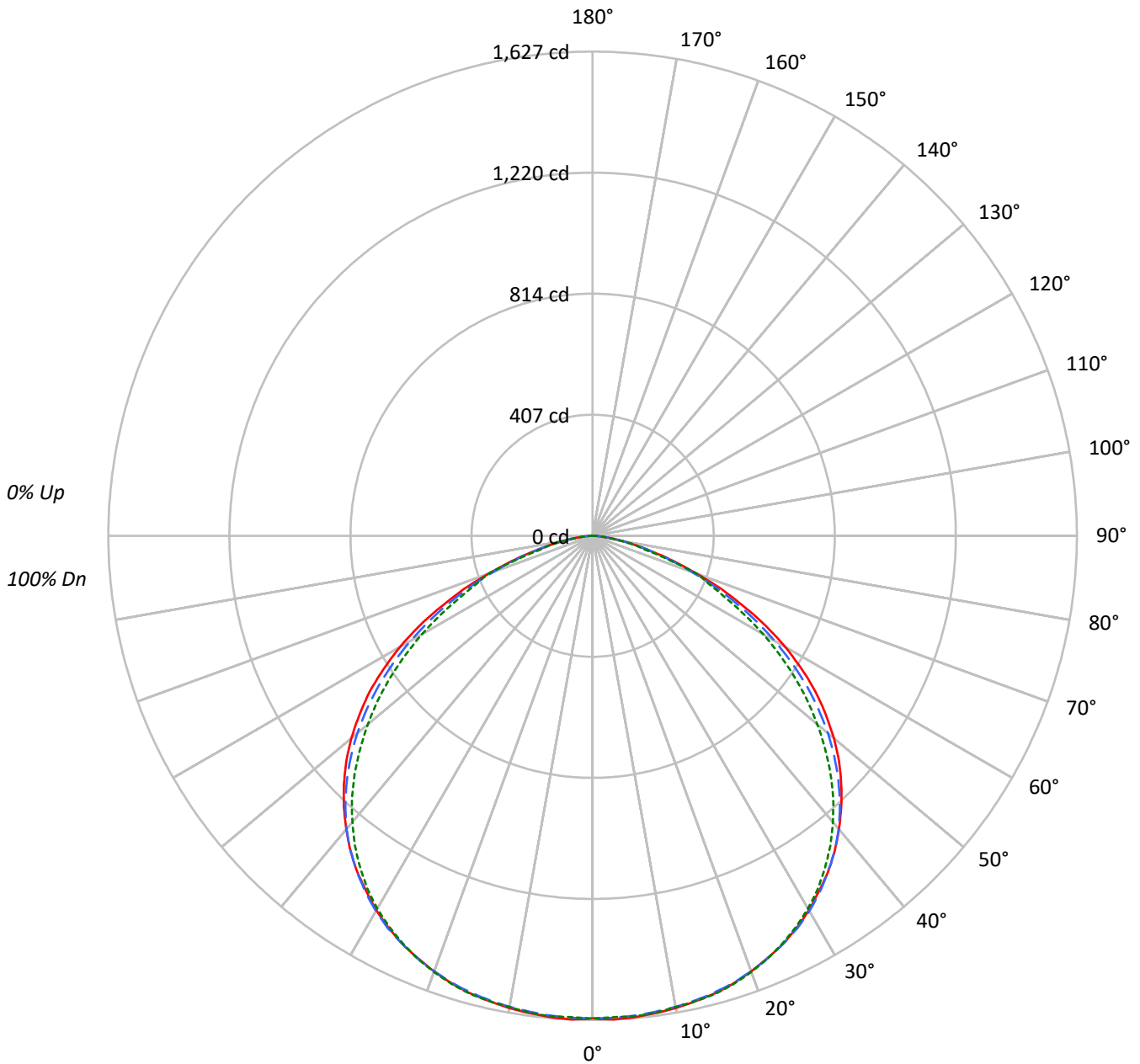
Test Method: LM-79-08  
Report Number: P506022  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-55-PW1-L935  
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4618.9 lumens  
Efficiency: N/A  
Efficacy: 85.4 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°	4364	4364	4364
5°	4386	4373	4378
10°	4404	4391	4394
15°	4434	4424	4439
20°	4460	4458	4466
25°	4494	4494	4486
30°	4515	4524	4495
35°	4530	4530	4472
40°	4522	4519	4412
45°	4497	4445	4302
50°	4429	4322	4126
55°	4293	4112	3888
60°	4021	3799	3562
65°	3561	3357	3135
70°	2907	2777	2928
75°	2193	2154	1935
80°	1578	1477	1477
85°	991	936	821



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.2	3.3
10°-20°	448.9	9.7
20°-30°	696.9	15.1
30°-40°	858.4	18.6
40°-50°	893.7	19.3
50°-60°	777.2	16.8
60°-70°	522.1	11.3
70°-80°	226.0	4.9
80°-90°	41.5	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°	1300.1	28.1
0°-40°	2158.4	46.7
0°-60°	3829.3	82.9
0°-90°	4618.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4618.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1622	1622	1622	1622	1622	
5°	1624	1614	1619	1623	1621	155
15°	1592	1580	1588	1593	1593	450
25°	1514	1506	1514	1514	1511	698
35°	1379	1375	1379	1367	1361	862
45°	1182	1178	1168	1141	1130	910
55°	915	898	876	842	829	813
65°	559	549	527	502	492	554
75°	211	213	207	212	186	232
85°	32	33	30	27	27	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1621.8	1621.8	1621.8	1621.8	1621.8
2.5°	1627.3	1617.2	1620.9	1626.4	1619.0
5°	1623.6	1613.5	1619.0	1622.7	1620.9
7.5°	1618.1	1610.8	1613.5	1617.2	1616.3
10°	1611.7	1604.4	1607.1	1610.8	1608.0
12.5°	1601.6	1593.4	1598.9	1602.5	1601.6
15°	1591.5	1580.5	1587.9	1593.4	1593.4
17.5°	1576.9	1567.7	1575.0	1579.6	1578.7
20°	1557.6	1551.2	1556.7	1560.4	1559.5
22.5°	1535.6	1531.0	1537.5	1537.5	1537.5
25°	1513.6	1506.3	1513.6	1513.6	1510.9
27.5°	1485.2	1478.8	1487.9	1485.2	1480.6
30°	1453.1	1449.4	1455.9	1451.3	1446.7
32.5°	1415.5	1413.7	1420.1	1410.9	1407.3
35°	1378.9	1375.2	1378.9	1366.9	1361.4
37.5°	1335.8	1332.1	1335.8	1320.2	1311.9
40°	1287.2	1284.4	1286.3	1266.1	1256.0
42.5°	1236.7	1234.0	1229.4	1204.7	1196.4
45°	1181.7	1178.1	1168.0	1141.4	1130.4
47.5°	1123.1	1116.6	1102.0	1073.6	1058.9
50°	1058.0	1048.8	1032.3	1001.1	985.5
52.5°	987.4	976.4	955.3	924.1	909.5
55°	915.0	898.5	876.5	841.6	828.8
57.5°	832.4	815.0	792.1	760.0	745.3
60°	747.2	729.8	705.9	676.6	661.9
62.5°	656.4	640.8	617.0	589.5	576.7
65°	559.2	549.2	527.2	502.4	492.3
67.5°	467.6	457.5	439.1	418.1	421.7
70°	369.5	368.5	353.0	338.3	372.2
72.5°	287.9	286.0	277.8	270.5	268.6
75°	210.9	212.7	207.2	211.8	186.1
77.5°	148.5	150.4	149.4	136.6	143.0
80°	101.8	101.8	95.3	90.8	95.3
82.5°	61.4	73.3	66.0	54.1	52.3
85°	32.1	33.0	30.3	26.6	26.6
87.5°	11.9	13.8	11.9	11.0	10.1
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)