

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: P506015

Luminaire Tested: **14PD-55-PR1-L950**

Issue Date: 3/26/2021



**Test Information**

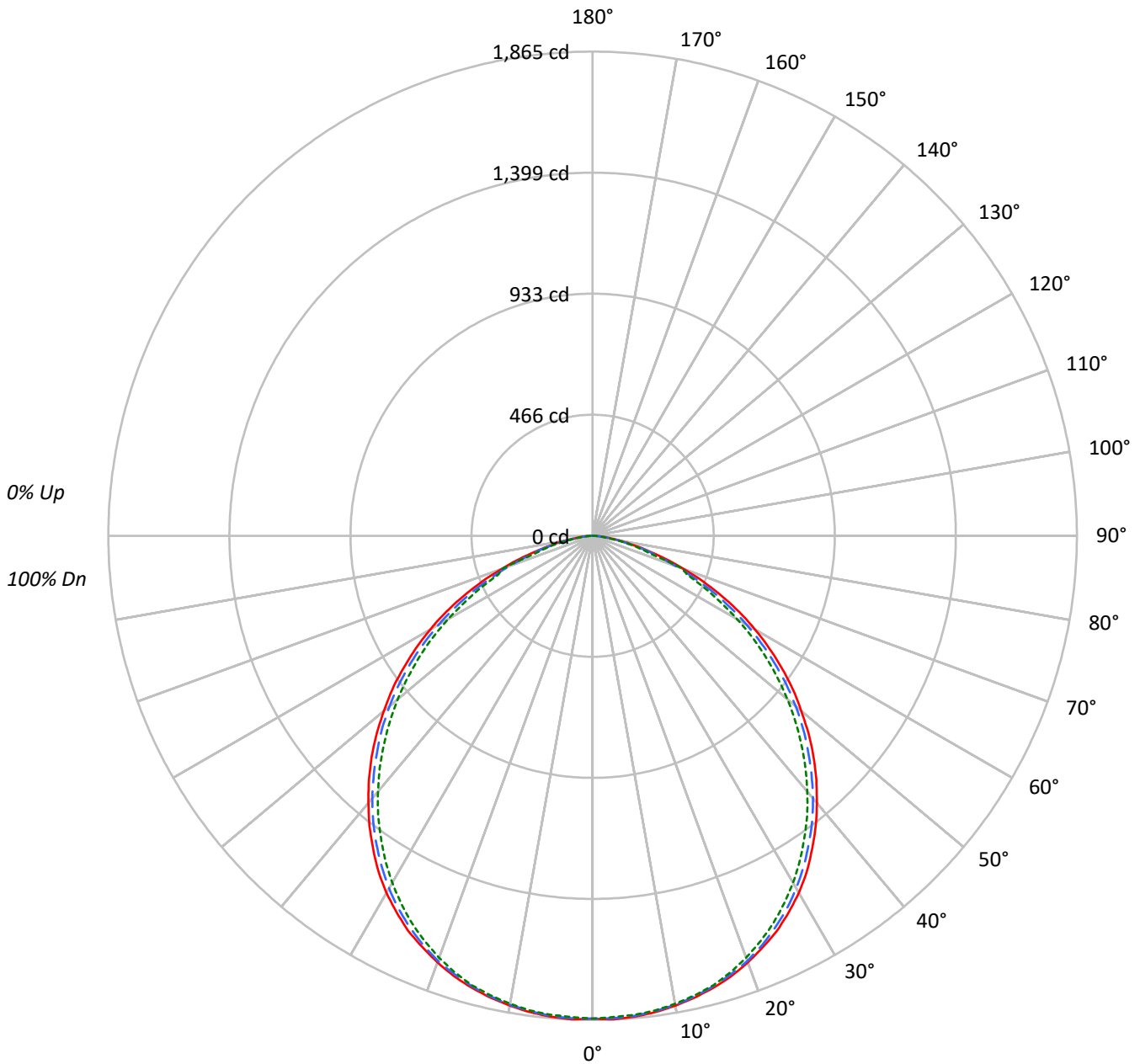
Test Method: LM-79-08  
Report Number: P506015  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-55-PR1-L950  
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 5000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4787.0 lumens  
Efficiency: N/A  
Efficacy: 88.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34  
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	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

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

	0°	45°	90°
0°	5005	5005	5005
5°	5022	5015	5002
10°	5022	5012	5002
15°	5020	5005	4995
20°	5007	4989	4952
25°	4987	4943	4888
30°	4935	4872	4795
35°	4840	4767	4670
40°	4719	4638	4518
45°	4579	4467	4327
50°	4389	4273	4100
55°	4176	4011	3821
60°	3887	3684	3456
65°	3491	3244	3033
70°	2936	2675	2892
75°	2260	2174	1954
80°	1627	1457	1385
85°	994	852	769



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.3	3.7
10°-20°	506.5	10.6
20°-30°	765.1	16.0
30°-40°	905.2	18.9
40°-50°	902.6	18.9
50°-60°	762.5	15.9
60°-70°	508.0	10.6
70°-80°	220.7	4.6
80°-90°	40.0	0.8
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°	1448.0	30.2
0°-40°	2353.2	49.2
0°-60°	4018.2	83.9
0°-90°	4787.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4787.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1860	1860	1860	1860	1860	
5°	1859	1852	1856	1855	1852	177
15°	1802	1794	1796	1794	1793	509
25°	1680	1668	1665	1650	1646	773
35°	1473	1463	1451	1432	1422	921
45°	1203	1192	1174	1149	1137	927
55°	890	884	855	827	814	795
65°	548	542	510	487	476	542
75°	217	213	209	202	188	238
85°	32	33	28	26	25	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1860.1	1860.1	1860.1	1860.1	1860.1
2.5°	1864.7	1856.4	1860.1	1860.1	1855.5
5°	1859.2	1851.8	1856.4	1854.6	1851.8
7.5°	1850.9	1843.5	1846.3	1845.4	1844.4
10°	1838.0	1830.6	1834.3	1832.5	1830.6
12.5°	1821.4	1814.0	1817.7	1815.0	1813.1
15°	1802.1	1793.8	1796.5	1793.8	1792.8
17.5°	1778.1	1769.8	1770.7	1767.0	1763.4
20°	1748.6	1741.3	1742.2	1733.0	1729.3
22.5°	1714.5	1707.2	1706.2	1694.3	1689.7
25°	1679.5	1668.5	1664.8	1650.0	1646.4
27.5°	1635.3	1625.2	1619.6	1604.0	1596.6
30°	1588.3	1577.3	1568.0	1550.5	1543.2
32.5°	1534.9	1523.8	1511.8	1493.4	1485.1
35°	1473.2	1463.0	1451.0	1431.7	1421.6
37.5°	1411.4	1400.4	1388.4	1365.4	1357.1
40°	1343.3	1333.1	1320.2	1295.3	1286.1
42.5°	1275.1	1263.1	1247.4	1223.5	1213.3
45°	1203.2	1192.2	1173.7	1148.9	1136.9
47.5°	1127.7	1118.5	1099.1	1072.4	1059.5
50°	1048.4	1041.1	1020.8	991.3	979.3
52.5°	972.9	962.8	939.7	910.2	897.3
55°	890.0	883.5	855.0	827.3	814.4
57.5°	807.1	798.8	770.2	742.6	730.6
60°	722.3	714.9	684.5	656.9	642.1
62.5°	636.6	628.3	596.1	571.2	557.4
65°	548.2	541.7	509.5	487.4	476.3
67.5°	459.7	455.1	421.0	402.6	394.3
70°	373.1	366.7	340.0	332.6	367.6
72.5°	293.0	284.7	261.6	249.7	240.5
75°	217.4	212.8	209.1	201.8	187.9
77.5°	152.9	152.0	139.1	129.0	139.1
80°	105.0	108.7	94.0	85.7	89.4
82.5°	64.5	71.9	56.2	49.8	47.9
85°	32.2	33.2	27.6	25.8	24.9
87.5°	12.0	13.8	12.0	10.1	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)