

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: P506018

Luminaire Tested: **14PD-55-PW1-L840**

Issue Date: 3/26/2021



**Test Information**

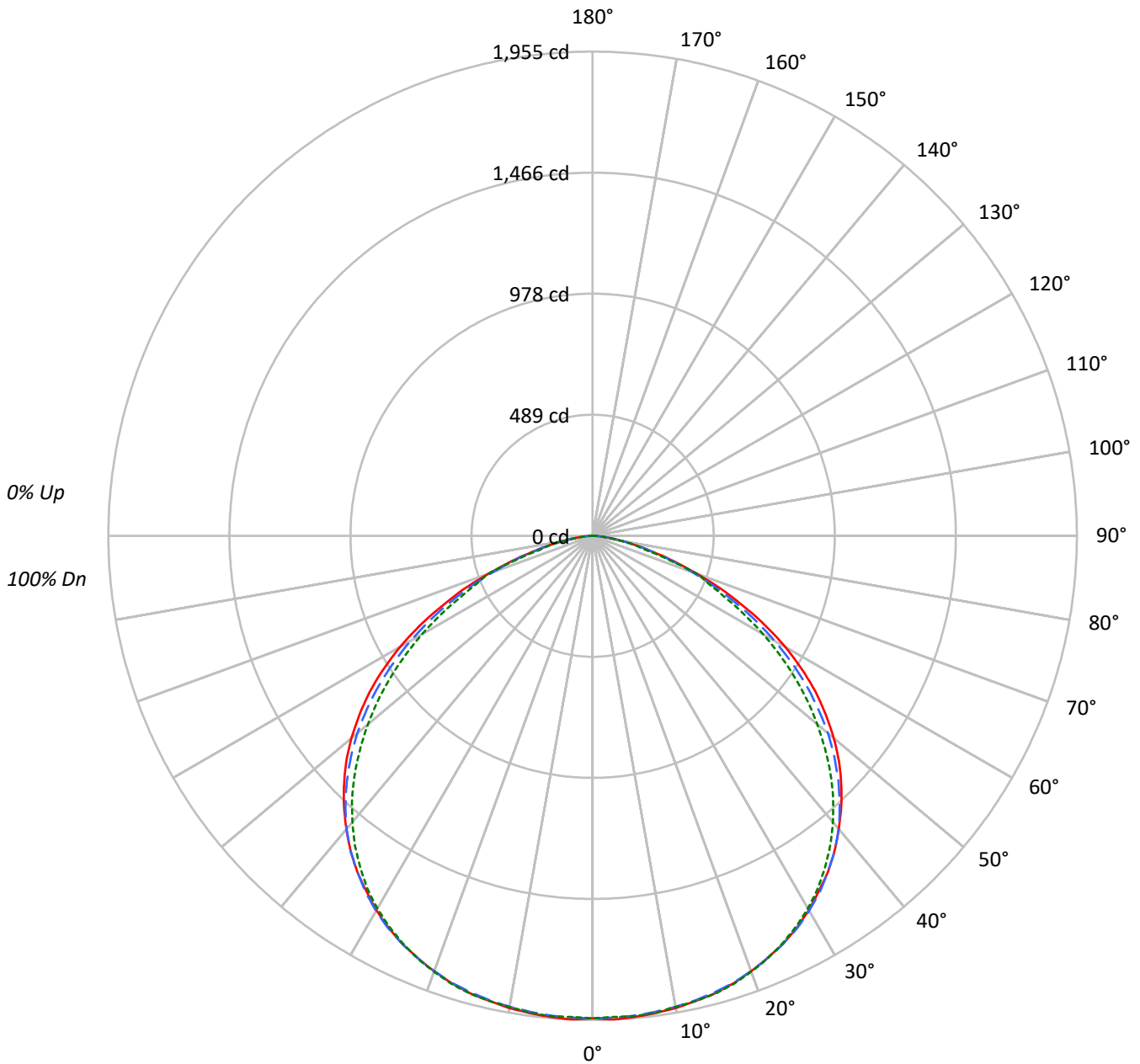
Test Method: LM-79-08  
Report Number: P506018  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-55-PW1-L840  
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5548.4 lumens  
Efficiency: N/A  
Efficacy: 102.6 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					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								
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°	5243	5243	5243
5°	5269	5254	5260
10°	5290	5275	5278
15°	5326	5314	5333
20°	5358	5355	5365
25°	5399	5399	5389
30°	5424	5434	5400
35°	5441	5441	5372
40°	5432	5428	5300
45°	5402	5340	5168
50°	5321	5192	4956
55°	5157	4939	4671
60°	4831	4564	4279
65°	4278	4032	3766
70°	3492	3336	3518
75°	2634	2588	2325
80°	1894	1774	1774
85°	1189	1121	985



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.3	3.3
10°-20°	539.3	9.7
20°-30°	837.2	15.1
30°-40°	1031.1	18.6
40°-50°	1073.5	19.3
50°-60°	933.6	16.8
60°-70°	627.2	11.3
70°-80°	271.5	4.9
80°-90°	49.8	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°	1561.7	28.1
0°-40°	2592.9	46.7
0°-60°	4599.9	82.9
0°-90°	5548.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5548.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1948	1948	1948	1948	1948	
5°	1950	1938	1945	1949	1947	186
15°	1912	1899	1908	1914	1914	540
25°	1818	1809	1818	1818	1815	838
35°	1656	1652	1656	1642	1635	1035
45°	1420	1415	1403	1371	1358	1094
55°	1099	1079	1053	1011	996	977
65°	672	660	633	604	591	665
75°	253	256	249	254	224	279
85°	38	40	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°	1948.2	1948.2	1948.2	1948.2	1948.2
2.5°	1954.8	1942.7	1947.1	1953.7	1944.9
5°	1950.4	1938.3	1944.9	1949.3	1947.1
7.5°	1943.8	1935.0	1938.3	1942.7	1941.6
10°	1936.1	1927.3	1930.6	1935.0	1931.7
12.5°	1924.0	1914.1	1920.7	1925.1	1924.0
15°	1911.9	1898.6	1907.5	1914.1	1914.1
17.5°	1894.2	1883.2	1892.0	1897.5	1896.4
20°	1871.1	1863.4	1870.0	1874.4	1873.3
22.5°	1844.7	1839.2	1846.9	1846.9	1846.9
25°	1818.3	1809.4	1818.3	1818.3	1814.9
27.5°	1784.1	1776.4	1787.4	1784.1	1778.6
30°	1745.6	1741.2	1748.9	1743.4	1737.9
32.5°	1700.4	1698.2	1705.9	1694.9	1690.5
35°	1656.4	1652.0	1656.4	1642.0	1635.4
37.5°	1604.6	1600.2	1604.6	1585.9	1576.0
40°	1546.2	1542.9	1545.1	1520.9	1508.8
42.5°	1485.7	1482.4	1476.8	1447.1	1437.2
45°	1419.6	1415.2	1403.1	1371.1	1357.9
47.5°	1349.1	1341.4	1323.8	1289.6	1272.0
50°	1270.9	1259.9	1240.1	1202.6	1183.9
52.5°	1186.1	1172.9	1147.6	1110.1	1092.5
55°	1099.1	1079.3	1052.8	1011.0	995.6
57.5°	1000.0	979.1	951.5	913.0	895.4
60°	897.6	876.6	848.0	812.8	795.1
62.5°	788.5	769.8	741.2	708.1	692.7
65°	671.8	659.7	633.2	603.5	591.4
67.5°	561.7	549.6	527.5	502.2	506.6
70°	443.8	442.7	424.0	406.4	447.1
72.5°	345.8	343.6	333.7	324.9	322.7
75°	253.3	255.5	248.9	254.4	223.6
77.5°	178.4	180.6	179.5	164.1	171.8
80°	122.2	122.2	114.5	109.0	114.5
82.5°	73.8	88.1	79.3	65.0	62.8
85°	38.5	39.6	36.3	31.9	31.9
87.5°	14.3	16.5	14.3	13.2	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)