

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: P506016

Luminaire Tested: **14PD-55-PW1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506016
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-L830
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

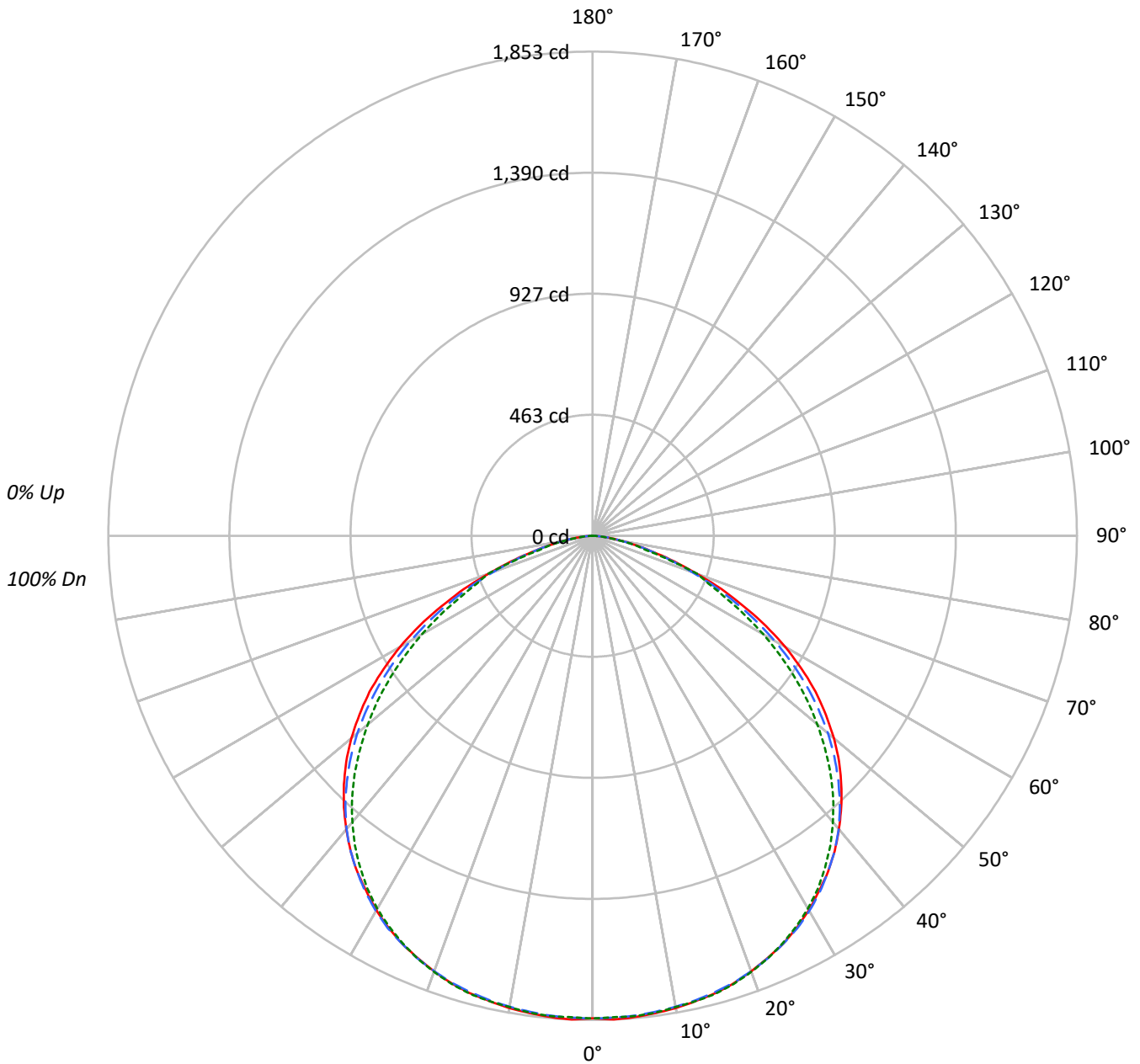
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5260.0 lumens
Efficiency: N/A
Efficacy: 97.2 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_{in}): 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°	4970	4970	4970
5°	4995	4981	4986
10°	5015	5001	5004
15°	5049	5038	5055
20°	5080	5077	5086
25°	5118	5118	5109
30°	5142	5152	5119
35°	5159	5159	5093
40°	5149	5146	5025
45°	5122	5062	4899
50°	5044	4922	4699
55°	4889	4683	4428
60°	4580	4327	4057
65°	4055	3822	3570
70°	3311	3163	3335
75°	2496	2454	2203
80°	1796	1683	1683
85°	1127	1065	936



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.6	3.3
10°-20°	511.3	9.7
20°-30°	793.7	15.1
30°-40°	977.5	18.6
40°-50°	1017.7	19.3
50°-60°	885.0	16.8
60°-70°	594.6	11.3
70°-80°	257.4	4.9
80°-90°	47.3	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°	1480.5	28.1
0°-40°	2458.1	46.7
0°-60°	4360.8	82.9
0°-90°	5260.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5260.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1847	1847	1847	1847	1847	
5°	1849	1838	1844	1848	1846	176
15°	1812	1800	1808	1815	1815	512
25°	1724	1715	1724	1724	1721	794
35°	1570	1566	1570	1557	1550	981
45°	1346	1342	1330	1300	1287	1037
55°	1042	1023	998	958	944	926
65°	637	625	600	572	561	631
75°	240	242	236	241	212	265
85°	36	38	34	30	30	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1846.9	1846.9	1846.9	1846.9	1846.9
2.5°	1853.2	1841.7	1845.9	1852.2	1843.8
5°	1849.0	1837.5	1843.8	1848.0	1845.9
7.5°	1842.8	1834.4	1837.5	1841.7	1840.7
10°	1835.4	1827.1	1830.2	1834.4	1831.3
12.5°	1824.0	1814.6	1820.8	1825.0	1824.0
15°	1812.5	1799.9	1808.3	1814.6	1814.6
17.5°	1795.8	1785.3	1793.7	1798.9	1797.9
20°	1773.8	1766.5	1772.8	1777.0	1775.9
22.5°	1748.8	1743.6	1750.9	1750.9	1750.9
25°	1723.7	1715.4	1723.7	1723.7	1720.6
27.5°	1691.4	1684.1	1694.5	1691.4	1686.1
30°	1654.8	1650.7	1658.0	1652.7	1647.5
32.5°	1612.0	1609.9	1617.2	1606.8	1602.6
35°	1570.3	1566.1	1570.3	1556.7	1550.4
37.5°	1521.2	1517.0	1521.2	1503.4	1494.0
40°	1465.9	1462.7	1464.8	1441.8	1430.4
42.5°	1408.4	1405.3	1400.1	1371.9	1362.5
45°	1345.8	1341.6	1330.1	1299.8	1287.3
47.5°	1279.0	1271.7	1255.0	1222.6	1205.9
50°	1204.8	1194.4	1175.6	1140.1	1122.4
52.5°	1124.4	1111.9	1087.9	1052.4	1035.7
55°	1042.0	1023.2	998.1	958.4	943.8
57.5°	948.0	928.2	902.1	865.5	848.8
60°	850.9	831.1	803.9	770.5	753.8
62.5°	747.5	729.8	702.6	671.3	656.7
65°	636.9	625.4	600.3	572.1	560.7
67.5°	532.5	521.0	500.1	476.1	480.3
70°	420.8	419.7	402.0	385.3	423.9
72.5°	327.8	325.7	316.3	308.0	305.9
75°	240.1	242.2	236.0	241.2	211.9
77.5°	169.1	171.2	170.2	155.6	162.9
80°	115.9	115.9	108.6	103.4	108.6
82.5°	70.0	83.5	75.2	61.6	59.5
85°	36.5	37.6	34.5	30.3	30.3
87.5°	13.6	15.7	13.6	12.5	11.5
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)