

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: P506000

Luminaire Tested: **14PD-55-PL1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-55-PL1-L840
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

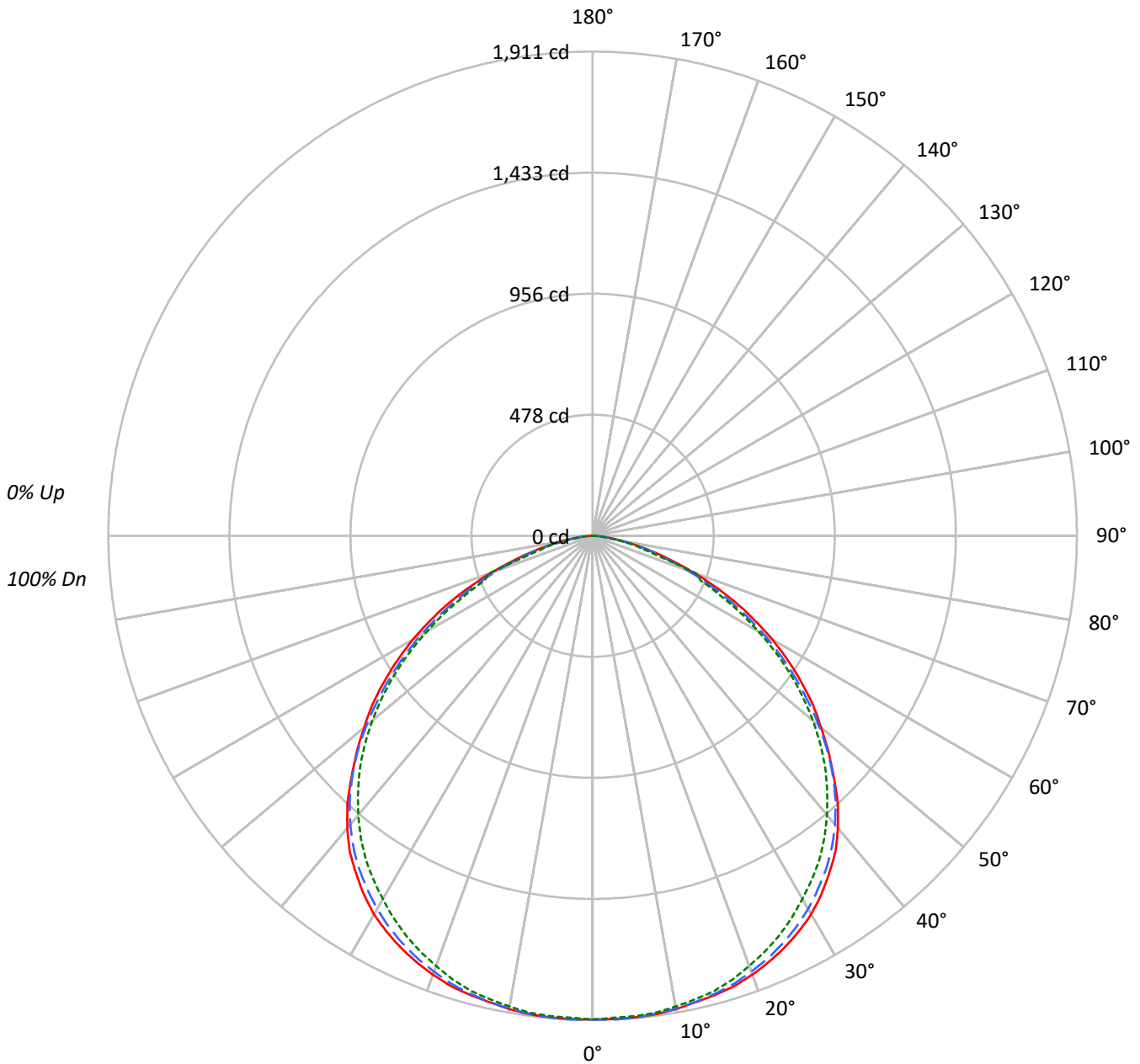
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5306.5 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
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

TEST NUMBER: P506000
CATALOG NUMBER: 14PD-55-PL1-L840

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	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5138	5138	5138
5°	5155	5158	5140
10°	5183	5177	5154
15°	5226	5211	5179
20°	5278	5242	5173
25°	5323	5271	5171
30°	5359	5284	5144
35°	5345	5277	5125
40°	5289	5226	5053
45°	5119	5103	4940
50°	4925	4881	4749
55°	4712	4575	4472
60°	4401	4204	4063
65°	3966	3719	3518
70°	3316	3110	3415
75°	2616	2518	2180
80°	1884	1674	1706
85°	1198	1003	939



TEST NUMBER: P506000

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.5	3.4
10°-20°	527.6	9.9
20°-30°	815.8	15.4
30°-40°	998.5	18.8
40°-50°	1023.6	19.3
50°-60°	871.8	16.4
60°-70°	582.6	11.0
70°-80°	258.2	4.9
80°-90°	46.7	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°	1525.0	28.7
0°-40°	2523.5	47.6
0°-60°	4419.0	83.3
0°-90°	5306.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5306.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1909	1909	1909	1909	1909	
5°	1908	1904	1909	1908	1903	182
15°	1876	1869	1870	1865	1859	530
25°	1793	1787	1775	1752	1742	827
35°	1627	1623	1606	1571	1560	1018
45°	1345	1349	1341	1311	1298	1038
55°	1004	999	975	955	953	896
65°	623	618	584	558	552	614
75°	252	255	242	243	210	273
85°	39	38	32	32	30	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1909.3	1909.3	1909.3	1909.3	1909.3
2.5°	1909.3	1906.1	1911.4	1913.5	1904.0
5°	1908.2	1904.0	1909.3	1908.2	1903.0
7.5°	1905.1	1897.7	1903.0	1900.9	1898.8
10°	1896.7	1890.4	1894.6	1891.4	1886.2
12.5°	1885.1	1881.0	1884.1	1881.0	1873.6
15°	1875.7	1869.4	1870.5	1865.2	1858.9
17.5°	1863.1	1853.7	1853.7	1843.2	1835.9
20°	1843.2	1834.8	1830.6	1815.9	1806.5
22.5°	1820.1	1813.9	1805.5	1786.6	1776.1
25°	1792.9	1786.6	1775.1	1752.0	1741.5
27.5°	1761.4	1753.0	1740.5	1713.2	1700.6
30°	1724.7	1714.2	1700.6	1670.2	1655.5
32.5°	1679.6	1672.3	1654.5	1623.0	1609.4
35°	1627.2	1623.0	1606.3	1570.6	1560.1
37.5°	1573.8	1565.4	1550.7	1512.9	1502.5
40°	1505.6	1500.4	1487.8	1451.1	1438.5
42.5°	1432.2	1429.1	1418.6	1384.0	1370.4
45°	1345.2	1349.4	1341.0	1310.6	1298.0
47.5°	1262.4	1260.3	1257.1	1229.9	1219.4
50°	1176.4	1172.2	1165.9	1143.9	1134.4
52.5°	1095.7	1087.3	1070.5	1051.6	1045.3
55°	1004.4	999.2	975.1	955.2	953.1
57.5°	912.2	909.0	879.7	856.6	856.6
60°	817.8	813.6	781.1	757.0	754.9
62.5°	719.3	716.1	682.6	655.3	656.3
65°	622.8	617.5	584.0	557.8	552.5
67.5°	522.1	520.0	487.5	463.4	461.3
70°	421.5	421.5	395.3	374.3	434.1
72.5°	332.4	329.2	308.3	298.8	285.2
75°	251.6	254.8	242.2	243.2	209.7
77.5°	179.3	174.0	168.8	157.3	166.7
80°	121.6	118.5	108.0	104.8	110.1
82.5°	75.5	76.5	67.1	60.8	59.8
85°	38.8	37.7	32.5	31.5	30.4
87.5°	14.7	15.7	13.6	12.6	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)