

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: P506007

Luminaire Tested: **14PD-55-PR1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506007
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-L830
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

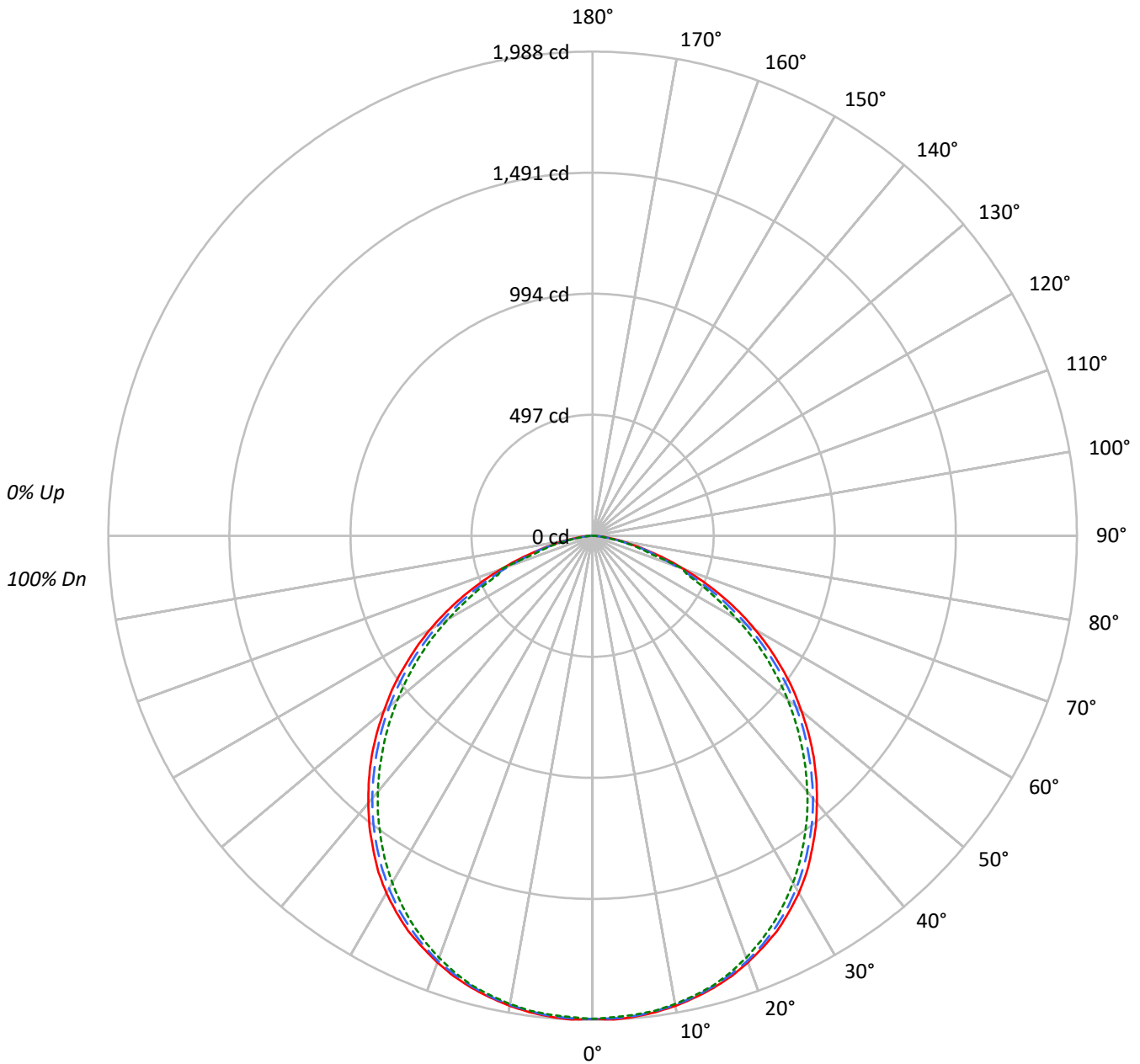
Lumens per Lamp: N/A
Luminaire Lumens: 5104.0 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.1
Input Voltage (V): NR
Input Current (A_{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	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°	5337	5337	5337
5°	5355	5347	5333
10°	5355	5344	5333
15°	5353	5336	5326
20°	5339	5319	5280
25°	5317	5270	5212
30°	5262	5195	5113
35°	5160	5082	4979
40°	5031	4945	4817
45°	4882	4763	4613
50°	4680	4556	4371
55°	4452	4277	4074
60°	4145	3928	3685
65°	3722	3459	3234
70°	3130	2852	3083
75°	2410	2319	2084
80°	1736	1553	1477
85°	1062	911	818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.0	3.7
10°-20°	540.1	10.6
20°-30°	815.8	16.0
30°-40°	965.1	18.9
40°-50°	962.3	18.9
50°-60°	813.0	15.9
60°-70°	541.7	10.6
70°-80°	235.3	4.6
80°-90°	42.7	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°	1543.9	30.2
0°-40°	2509.0	49.2
0°-60°	4284.3	83.9
0°-90°	5104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5104.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1983	1983	1983	1983	1983	
5°	1982	1974	1979	1977	1974	189
15°	1921	1912	1916	1912	1912	542
25°	1791	1779	1775	1759	1755	824
35°	1571	1560	1547	1526	1516	982
45°	1283	1271	1252	1225	1212	988
55°	949	942	912	882	868	847
65°	584	578	543	520	508	578
75°	232	227	223	215	200	253
85°	34	35	30	28	26	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1983.3	1983.3	1983.3	1983.3	1983.3
2.5°	1988.2	1979.3	1983.3	1983.3	1978.4
5°	1982.3	1974.4	1979.3	1977.4	1974.4
7.5°	1973.5	1965.6	1968.5	1967.6	1966.6
10°	1959.7	1951.8	1955.8	1953.8	1951.8
12.5°	1942.0	1934.2	1938.1	1935.1	1933.2
15°	1921.4	1912.5	1915.5	1912.5	1911.6
17.5°	1895.9	1887.0	1888.0	1884.1	1880.1
20°	1864.4	1856.6	1857.5	1847.7	1843.8
22.5°	1828.1	1820.2	1819.2	1806.5	1801.5
25°	1790.7	1779.0	1775.0	1759.3	1755.4
27.5°	1743.6	1732.8	1726.9	1710.2	1702.3
30°	1693.5	1681.7	1671.9	1653.2	1645.4
32.5°	1636.5	1624.7	1612.0	1592.3	1583.5
35°	1570.7	1559.9	1547.1	1526.5	1515.7
37.5°	1504.9	1493.1	1480.3	1455.8	1446.9
40°	1432.2	1421.4	1407.6	1381.1	1371.3
42.5°	1359.5	1346.7	1330.0	1304.5	1293.7
45°	1282.9	1271.1	1251.5	1224.9	1212.2
47.5°	1202.3	1192.5	1171.9	1143.4	1129.7
50°	1117.9	1110.0	1088.4	1057.0	1044.2
52.5°	1037.3	1026.5	1002.0	970.5	956.8
55°	948.9	942.0	911.6	882.1	868.4
57.5°	860.5	851.7	821.2	791.7	779.0
60°	770.1	762.3	729.9	700.4	684.7
62.5°	678.8	669.9	635.6	609.0	594.3
65°	584.5	577.6	543.2	519.6	507.9
67.5°	490.2	485.3	448.9	429.3	420.4
70°	397.8	391.0	362.5	354.6	391.9
72.5°	312.4	303.5	279.0	266.2	256.4
75°	231.8	226.9	223.0	215.1	200.4
77.5°	163.1	162.1	148.3	137.5	148.3
80°	112.0	115.9	100.2	91.4	95.3
82.5°	68.8	76.6	59.9	53.0	51.1
85°	34.4	35.4	29.5	27.5	26.5
87.5°	12.8	14.7	12.8	10.8	10.8
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)