

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: P506025

Luminaire Tested: **14PD-60-PL1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506025
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-60-PL1-L830
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

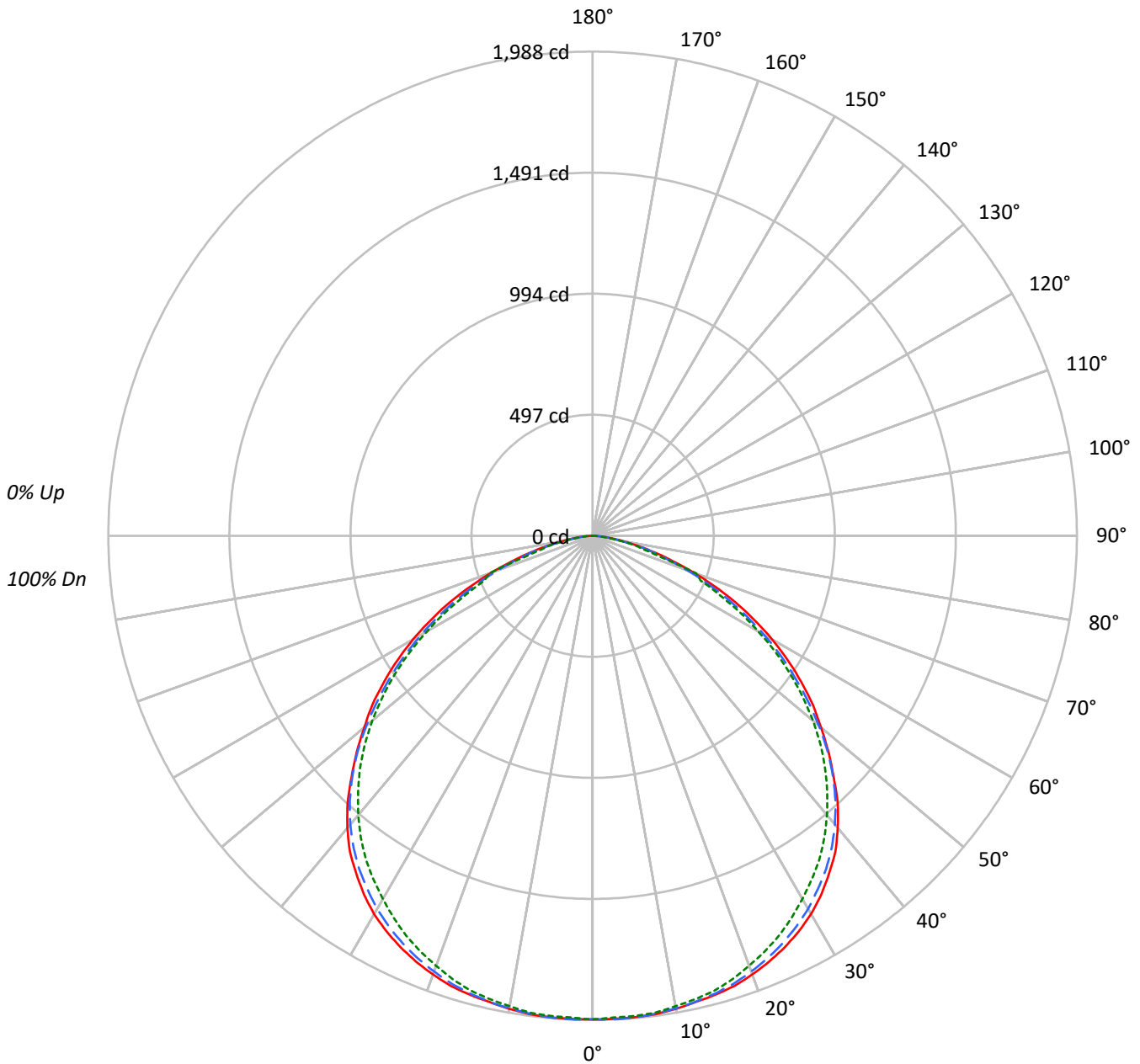
Lumens per Lamp: N/A
Luminaire Lumens: 5518.9 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 59.3
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	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°	5343	5343	5343
5°	5361	5364	5346
10°	5390	5384	5360
15°	5435	5419	5386
20°	5490	5452	5380
25°	5537	5481	5378
30°	5574	5496	5350
35°	5560	5488	5330
40°	5501	5435	5256
45°	5324	5308	5138
50°	5122	5076	4940
55°	4901	4758	4650
60°	4577	4372	4225
65°	4124	3868	3659
70°	3449	3234	3552
75°	2721	2619	2268
80°	1960	1740	1774
85°	1244	1044	976



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.8	3.4
10°-20°	548.8	9.9
20°-30°	848.5	15.4
30°-40°	1038.5	18.8
40°-50°	1064.6	19.3
50°-60°	906.7	16.4
60°-70°	605.9	11.0
70°-80°	268.5	4.9
80°-90°	48.6	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°	1586.1	28.7
0°-40°	2624.5	47.6
0°-60°	4595.9	83.3
0°-90°	5518.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5518.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1986	1986	1986	1986	1986	
5°	1985	1980	1986	1985	1979	189
15°	1951	1944	1945	1940	1933	552
25°	1865	1858	1846	1822	1811	860
35°	1692	1688	1671	1634	1623	1058
45°	1399	1403	1395	1363	1350	1080
55°	1045	1039	1014	993	991	932
65°	648	642	607	580	575	638
75°	262	265	252	253	218	283
85°	40	39	34	33	32	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1985.7	1985.7	1985.7	1985.7	1985.7
2.5°	1985.7	1982.4	1987.9	1990.1	1980.2
5°	1984.6	1980.2	1985.7	1984.6	1979.1
7.5°	1981.3	1973.7	1979.1	1977.0	1974.8
10°	1972.6	1966.1	1970.4	1967.2	1961.7
12.5°	1960.6	1956.2	1959.5	1956.2	1948.6
15°	1950.8	1944.3	1945.3	1939.9	1933.3
17.5°	1937.7	1927.9	1927.9	1917.0	1909.4
20°	1917.0	1908.3	1903.9	1888.6	1878.8
22.5°	1893.0	1886.5	1877.7	1858.1	1847.2
25°	1864.7	1858.1	1846.1	1822.1	1811.2
27.5°	1831.9	1823.2	1810.1	1781.8	1768.7
30°	1793.8	1782.9	1768.7	1737.1	1721.8
32.5°	1746.9	1739.3	1720.7	1688.0	1673.8
35°	1692.4	1688.0	1670.6	1633.5	1622.6
37.5°	1636.7	1628.0	1612.8	1573.5	1562.6
40°	1565.9	1560.4	1547.3	1509.2	1496.1
42.5°	1489.5	1486.3	1475.4	1439.4	1425.2
45°	1399.0	1403.4	1394.7	1363.0	1350.0
47.5°	1312.9	1310.7	1307.4	1279.1	1268.2
50°	1223.5	1219.1	1212.6	1189.7	1179.9
52.5°	1139.5	1130.8	1113.3	1093.7	1087.2
55°	1044.6	1039.2	1014.1	993.4	991.2
57.5°	948.7	945.4	914.9	890.9	890.9
60°	850.5	846.2	812.4	787.3	785.1
62.5°	748.0	744.8	709.9	681.5	682.6
65°	647.7	642.3	607.4	580.1	574.7
67.5°	543.0	540.9	507.1	482.0	479.8
70°	438.4	438.4	411.1	389.3	451.4
72.5°	345.7	342.4	320.6	310.8	296.6
75°	261.7	265.0	251.9	253.0	218.1
77.5°	186.5	181.0	175.6	163.6	173.4
80°	126.5	123.2	112.3	109.0	114.5
82.5°	78.5	79.6	69.8	63.2	62.2
85°	40.3	39.3	33.8	32.7	31.6
87.5°	15.3	16.4	14.2	13.1	12.0
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)