

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: P506379

Luminaire Tested: **22PD-60-PL1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-60-PL1-L850
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

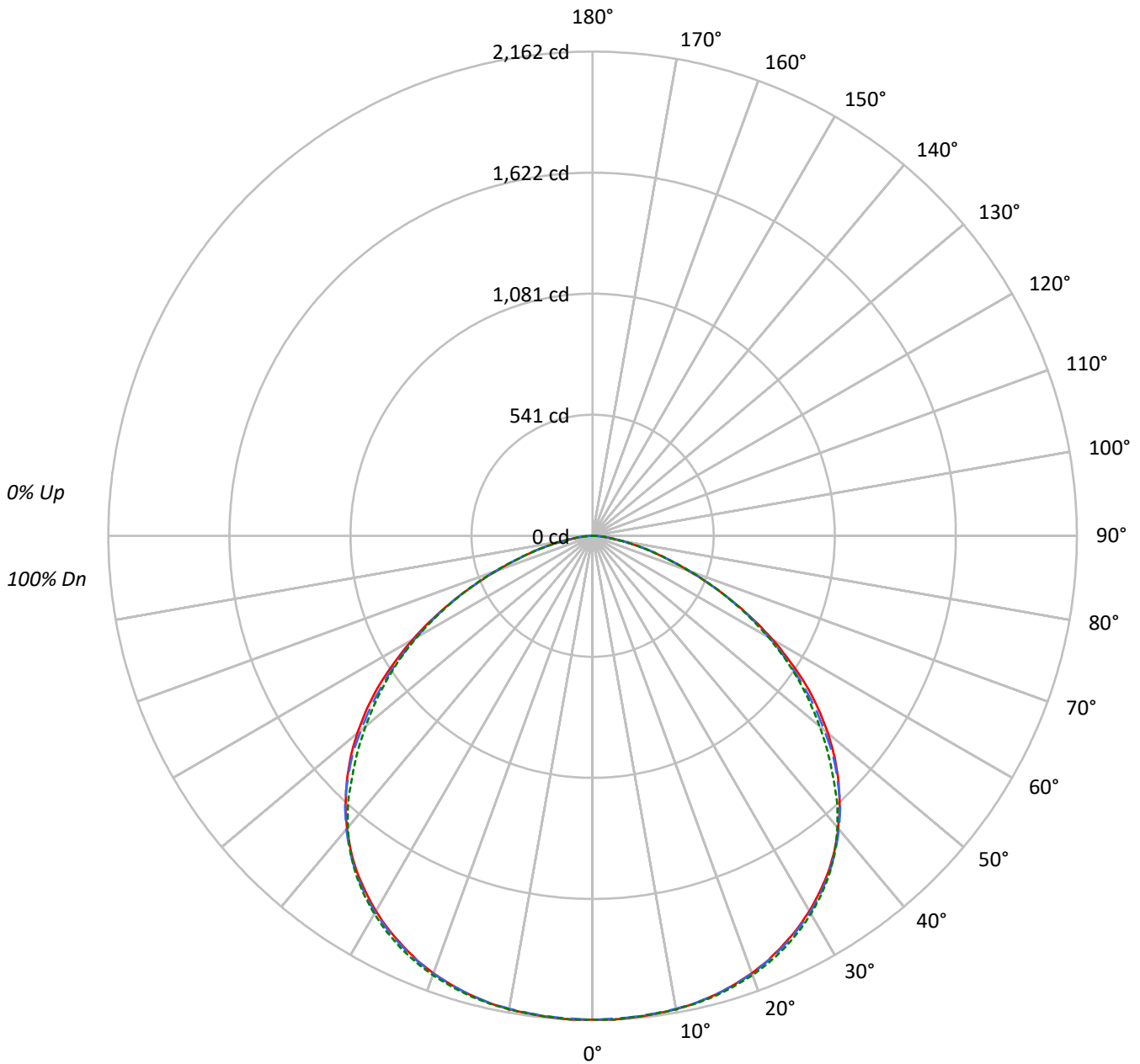
Lumens per Lamp: N/A
Luminaire Lumens: 6120.1 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 52.5
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	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5814	5814	5814
5°	5830	5824	5826
10°	5867	5861	5867
15°	5909	5909	5922
20°	5952	5959	5979
25°	5984	5998	6027
30°	6014	6033	6057
35°	6024	6044	6056
40°	5992	6008	5971
45°	5907	5889	5770
50°	5740	5650	5536
55°	5461	5322	5261
60°	5000	4906	4877
65°	4360	4350	4336
70°	3574	3633	3622
75°	2832	2879	2832
80°	2075	2063	2052
85°	1386	1362	1457



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.4	3.4
10°-20°	599.5	9.8
20°-30°	931.9	15.2
30°-40°	1148.8	18.8
40°-50°	1186.6	19.4
50°-60°	1015.3	16.6
60°-70°	677.6	11.1
70°-80°	297.4	4.9
80°-90°	57.5	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°	1736.9	28.4
0°-40°	2885.7	47.2
0°-60°	5087.7	83.1
0°-90°	6120.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6120.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2161	2161	2161	2161	2161	
5°	2158	2155	2156	2155	2157	206
15°	2121	2119	2121	2123	2126	599
25°	2015	2015	2020	2026	2030	930
35°	1834	1834	1840	1844	1844	1146
45°	1552	1551	1548	1533	1516	1195
55°	1164	1150	1134	1128	1121	1035
65°	685	683	683	686	681	679
75°	272	270	277	275	272	295
85°	45	44	44	46	47	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2160.7	2160.7	2160.7	2160.7	2160.7
2.5°	2162.2	2159.2	2158.4	2158.4	2162.2
5°	2158.4	2155.4	2156.2	2154.6	2156.9
7.5°	2153.1	2150.1	2150.8	2150.1	2153.1
10°	2147.0	2144.0	2144.8	2144.0	2147.0
12.5°	2136.4	2134.1	2135.6	2136.4	2138.7
15°	2121.2	2118.9	2121.2	2122.7	2125.7
17.5°	2101.4	2099.9	2102.1	2104.4	2108.2
20°	2078.6	2077.0	2080.8	2083.1	2087.7
22.5°	2050.4	2048.9	2052.7	2058.0	2061.1
25°	2015.4	2015.4	2020.0	2026.1	2029.9
27.5°	1978.1	1977.4	1982.7	1988.8	1992.6
30°	1935.5	1934.0	1941.6	1946.9	1949.2
32.5°	1886.1	1886.8	1893.7	1899.0	1899.8
35°	1833.6	1833.6	1839.7	1843.5	1843.5
37.5°	1773.5	1772.7	1778.8	1780.3	1778.0
40°	1705.8	1706.5	1710.3	1709.6	1699.7
42.5°	1632.7	1633.5	1636.5	1625.9	1616.0
45°	1552.1	1551.3	1547.5	1533.1	1516.3
47.5°	1466.1	1462.3	1456.2	1434.1	1422.0
50°	1371.0	1364.9	1349.7	1332.2	1322.3
52.5°	1270.6	1259.9	1244.7	1231.0	1222.6
55°	1164.1	1149.6	1134.4	1128.3	1121.4
57.5°	1045.4	1036.2	1023.3	1020.3	1015.7
60°	929.0	919.1	911.5	911.5	906.1
62.5°	807.2	801.1	798.1	799.6	794.3
65°	684.7	683.2	683.2	685.5	680.9
67.5°	566.0	569.1	568.3	575.9	569.9
70°	454.2	459.5	461.8	469.4	460.3
72.5°	357.6	358.3	361.4	363.7	359.1
75°	272.4	270.1	276.9	275.4	272.4
77.5°	197.1	195.5	197.8	199.3	195.5
80°	133.9	132.4	133.1	135.4	132.4
82.5°	84.5	82.9	82.9	85.2	84.5
85°	44.9	44.1	44.1	45.6	47.2
87.5°	16.0	15.2	16.0	16.0	16.0
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)