

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: P506395

Luminaire Tested: **22PD-60-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-60-PW1-L835
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

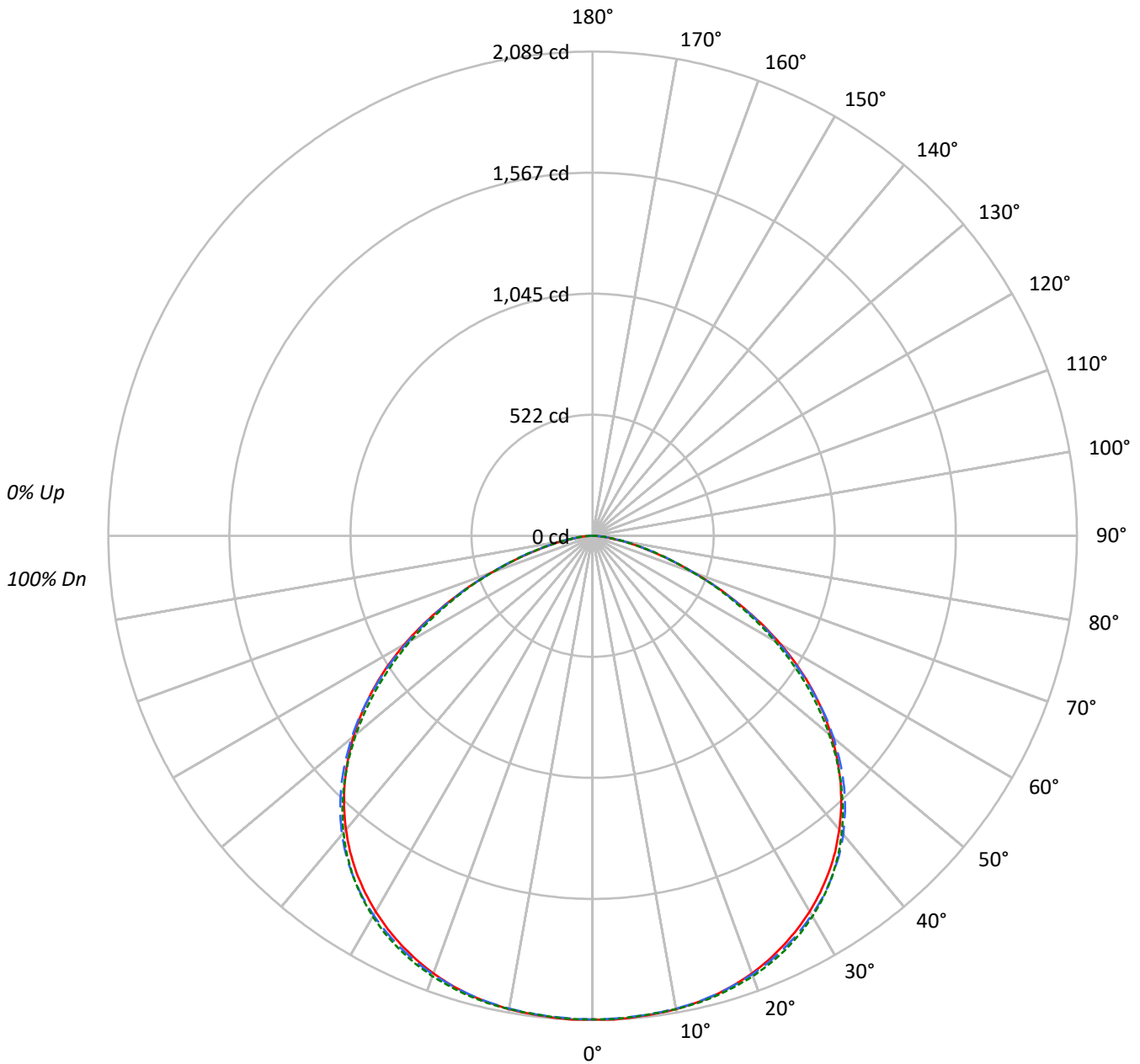
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6032.8 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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

TEST NUMBER: P506395
CATALOG NUMBER: 22PD-60-PW1-L835

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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28																			
10	53	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°	5616	5616	5616
5°	5632	5623	5625
10°	5668	5660	5666
15°	5713	5710	5727
20°	5755	5767	5791
25°	5789	5823	5849
30°	5817	5873	5894
35°	5832	5908	5910
40°	5814	5909	5874
45°	5757	5839	5768
50°	5640	5680	5577
55°	5421	5396	5294
60°	5046	4990	4886
65°	4450	4408	4322
70°	3644	3662	3585
75°	2760	2854	2831
80°	1999	2081	2046
85°	1312	1359	1451



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.4	3.3
10°-20°	579.6	9.6
20°-30°	903.7	15.0
30°-40°	1120.0	18.6
40°-50°	1172.0	19.4
50°-60°	1021.3	16.9
60°-70°	684.1	11.3
70°-80°	296.6	4.9
80°-90°	57.1	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°	1681.7	27.9
0°-40°	2801.8	46.4
0°-60°	4995.1	82.8
0°-90°	6032.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6032.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2087	2087	2087	2087	2087	
5°	2085	2082	2082	2081	2082	199
15°	2050	2048	2050	2052	2056	579
25°	1950	1950	1961	1967	1970	899
35°	1775	1782	1798	1801	1799	1110
45°	1513	1521	1534	1522	1516	1165
55°	1155	1155	1150	1138	1128	1029
65°	699	695	692	686	679	691
75°	266	270	274	272	272	293
85°	42	46	44	45	47	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2087.0	2087.0	2087.0	2087.0	2087.0
2.5°	2089.3	2085.5	2084.8	2084.8	2087.0
5°	2084.8	2082.5	2081.8	2081.1	2082.5
7.5°	2080.3	2077.3	2078.1	2076.6	2078.1
10°	2074.3	2071.4	2071.4	2071.4	2073.6
12.5°	2063.9	2061.7	2062.4	2063.9	2066.9
15°	2050.5	2047.5	2049.7	2052.0	2055.7
17.5°	2031.8	2029.6	2033.3	2037.0	2040.0
20°	2009.5	2007.2	2013.9	2019.1	2022.1
22.5°	1981.9	1981.1	1990.1	1996.0	1998.3
25°	1949.8	1950.5	1961.0	1966.9	1969.9
27.5°	1913.2	1914.7	1928.1	1933.4	1936.4
30°	1872.2	1875.9	1890.1	1894.6	1896.8
32.5°	1826.0	1831.2	1848.3	1851.3	1851.3
35°	1775.2	1782.0	1798.4	1800.6	1799.1
37.5°	1718.6	1726.0	1744.7	1741.7	1739.4
40°	1655.1	1663.4	1682.0	1676.0	1672.3
42.5°	1587.3	1595.5	1611.9	1602.9	1597.7
45°	1512.7	1520.9	1534.3	1521.6	1515.7
47.5°	1432.1	1441.8	1448.5	1434.4	1426.9
50°	1347.1	1350.1	1356.8	1340.4	1332.2
52.5°	1254.6	1254.6	1259.8	1241.9	1232.2
55°	1155.4	1154.7	1150.2	1137.5	1128.5
57.5°	1050.2	1045.7	1042.8	1029.3	1018.9
60°	937.6	930.9	927.2	916.0	907.8
62.5°	819.7	816.0	811.5	802.6	793.6
65°	698.9	695.2	692.2	685.5	678.8
67.5°	578.8	576.6	576.6	572.1	571.4
70°	463.2	464.7	465.4	465.4	455.7
72.5°	358.8	359.5	363.3	360.3	359.5
75°	265.5	270.0	274.5	272.3	272.3
77.5°	191.0	197.7	197.7	196.2	193.9
80°	129.0	132.0	134.3	133.5	132.0
82.5°	82.0	84.3	82.0	83.5	84.3
85°	42.5	45.5	44.0	44.8	47.0
87.5°	14.2	15.7	16.4	15.7	15.7
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)