

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: P506179

Luminaire Tested: **22PD-20-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506179
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-20-PW1-L835
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

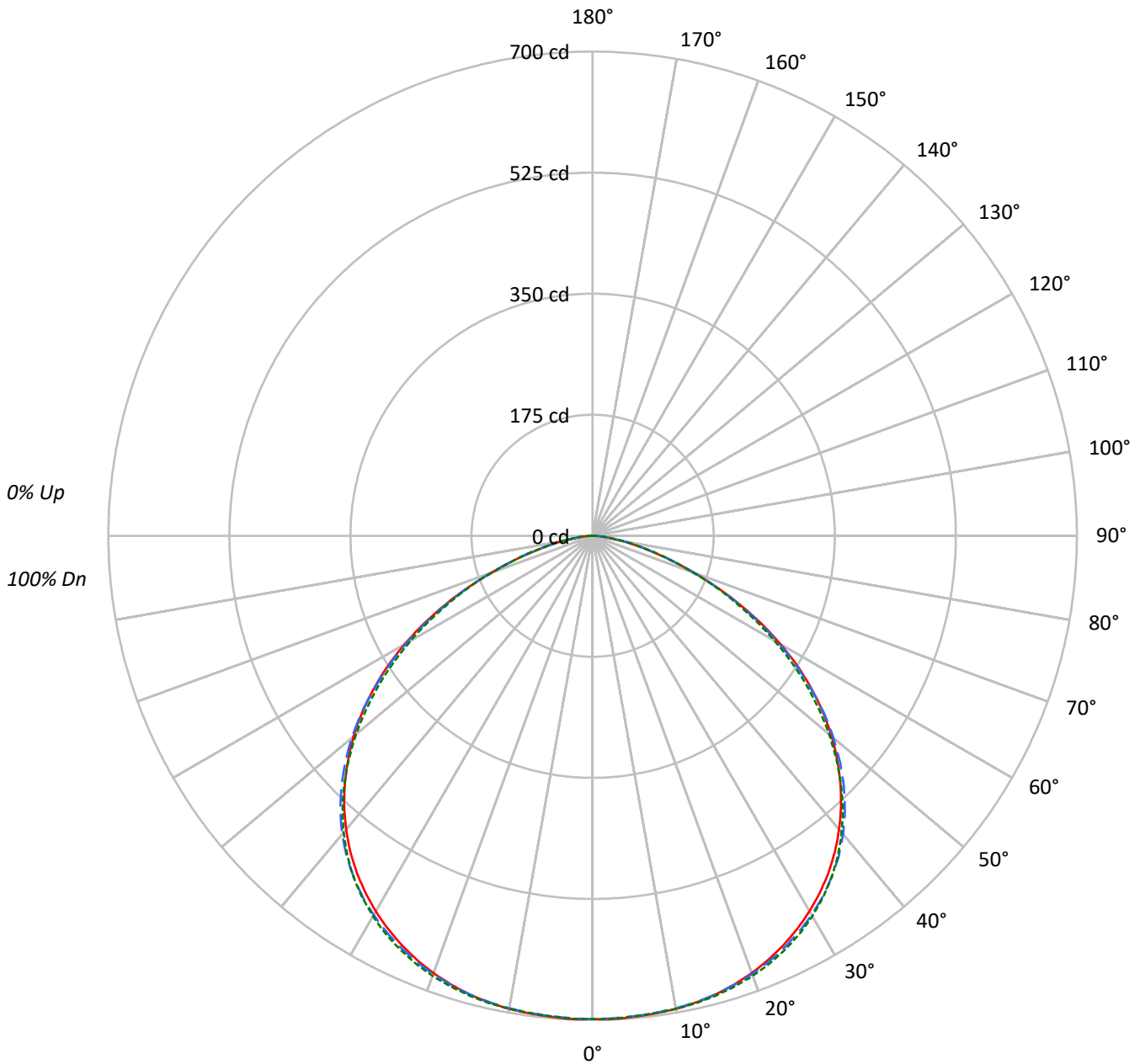
Lumens per Lamp: N/A
Luminaire Lumens: 2020.0 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
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: P506179

CATALOG NUMBER: 22PD-20-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°	1880	1880	1880
5°	1886	1883	1884
10°	1898	1895	1897
15°	1913	1912	1918
20°	1927	1931	1939
25°	1938	1950	1958
30°	1948	1967	1973
35°	1953	1978	1979
40°	1947	1978	1967
45°	1928	1955	1931
50°	1888	1902	1868
55°	1815	1807	1773
60°	1689	1671	1636
65°	1490	1476	1447
70°	1220	1226	1201
75°	924	955	948
80°	669	697	685
85°	438	454	485



TEST NUMBER: P506179

CATALOG NUMBER: 22PD-20-PW1-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.4	3.3
10°-20°	194.1	9.6
20°-30°	302.6	15.0
30°-40°	375.0	18.6
40°-50°	392.4	19.4
50°-60°	342.0	16.9
60°-70°	229.1	11.3
70°-80°	99.3	4.9
80°-90°	19.1	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°	563.1	27.9
0°-40°	938.1	46.4
0°-60°	1672.5	82.8
0°-90°	2020.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2020.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	699	699	699	699	699	
5°	698	697	697	697	697	67
15°	687	686	686	687	688	194
25°	653	653	657	659	660	301
35°	594	597	602	603	602	372
45°	506	509	514	510	508	390
55°	387	387	385	381	378	344
65°	234	233	232	230	227	231
75°	89	90	92	91	91	98
85°	14	15	15	15	16	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	698.8	698.8	698.8	698.8	698.8
2.5°	699.6	698.3	698.1	698.1	698.8
5°	698.1	697.3	697.1	696.8	697.3
7.5°	696.6	695.6	695.8	695.3	695.8
10°	694.6	693.6	693.6	693.6	694.3
12.5°	691.1	690.3	690.6	691.1	692.1
15°	686.6	685.6	686.3	687.1	688.3
17.5°	680.3	679.6	680.8	682.1	683.1
20°	672.8	672.1	674.3	676.1	677.1
22.5°	663.6	663.3	666.3	668.3	669.1
25°	652.8	653.1	656.6	658.6	659.6
27.5°	640.6	641.1	645.6	647.4	648.4
30°	626.9	628.1	632.9	634.4	635.1
32.5°	611.4	613.1	618.9	619.9	619.9
35°	594.4	596.7	602.1	602.9	602.4
37.5°	575.4	577.9	584.2	583.2	582.4
40°	554.2	556.9	563.2	561.2	559.9
42.5°	531.5	534.2	539.7	536.7	535.0
45°	506.5	509.2	513.7	509.5	507.5
47.5°	479.5	482.8	485.0	480.3	477.8
50°	451.1	452.0	454.3	448.8	446.1
52.5°	420.1	420.1	421.8	415.8	412.6
55°	386.9	386.6	385.1	380.9	377.9
57.5°	351.6	350.2	349.2	344.7	341.2
60°	313.9	311.7	310.4	306.7	303.9
62.5°	274.5	273.2	271.7	268.7	265.7
65°	234.0	232.8	231.8	229.5	227.3
67.5°	193.8	193.1	193.1	191.6	191.3
70°	155.1	155.6	155.8	155.8	152.6
72.5°	120.1	120.4	121.6	120.6	120.4
75°	88.9	90.4	91.9	91.2	91.2
77.5°	63.9	66.2	66.2	65.7	64.9
80°	43.2	44.2	45.0	44.7	44.2
82.5°	27.5	28.2	27.5	28.0	28.2
85°	14.2	15.2	14.7	15.0	15.7
87.5°	4.7	5.2	5.5	5.2	5.2
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)