

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: P506508

Luminaire Tested: **22PD-80-PW1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506508
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-80-PW1-L935
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

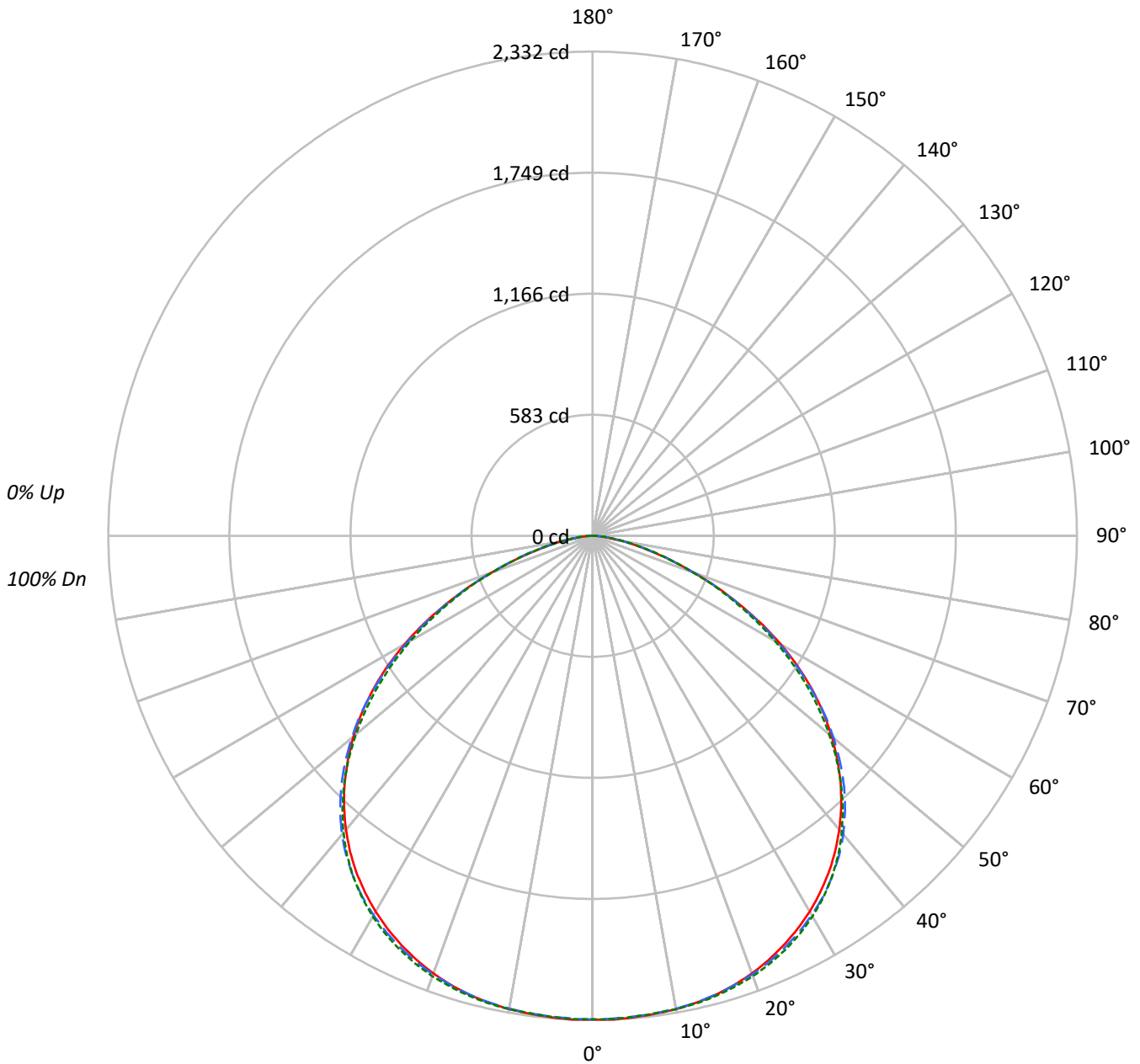
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6734.3 lumens
Efficiency: N/A
Efficacy: 91.7 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): 73.4
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					20					
RC	80					70					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°	6269	6269	6269
5°	6286	6277	6280
10°	6327	6318	6325
15°	6377	6374	6393
20°	6424	6438	6464
25°	6462	6500	6529
30°	6494	6556	6579
35°	6510	6595	6597
40°	6490	6596	6558
45°	6426	6518	6439
50°	6295	6341	6226
55°	6051	6024	5910
60°	5633	5570	5454
65°	4968	4920	4825
70°	4068	4088	4002
75°	3082	3186	3160
80°	2232	2323	2284
85°	1467	1516	1621



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.5	3.3
10°-20°	647.0	9.6
20°-30°	1008.7	15.0
30°-40°	1250.3	18.6
40°-50°	1308.3	19.4
50°-60°	1140.0	16.9
60°-70°	763.7	11.3
70°-80°	331.0	4.9
80°-90°	63.7	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°	1877.3	27.9
0°-40°	3127.6	46.4
0°-60°	5575.9	82.8
0°-90°	6734.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6734.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2330	2330	2330	2330	2330	
5°	2327	2325	2324	2323	2325	222
15°	2289	2286	2288	2291	2295	647
25°	2176	2177	2189	2196	2199	1004
35°	1982	1989	2008	2010	2008	1239
45°	1689	1698	1713	1699	1692	1300
55°	1290	1289	1284	1270	1260	1148
65°	780	776	773	765	758	772
75°	296	301	306	304	304	327
85°	48	51	49	50	52	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2329.7	2329.7	2329.7	2329.7	2329.7
2.5°	2332.2	2328.0	2327.2	2327.2	2329.7
5°	2327.2	2324.7	2323.9	2323.0	2324.7
7.5°	2322.2	2318.9	2319.7	2318.0	2319.7
10°	2315.5	2312.2	2312.2	2312.2	2314.7
12.5°	2303.9	2301.4	2302.2	2303.9	2307.2
15°	2288.9	2285.6	2288.1	2290.6	2294.7
17.5°	2268.1	2265.6	2269.7	2273.9	2277.2
20°	2243.1	2240.6	2248.1	2253.9	2257.3
22.5°	2212.3	2211.5	2221.5	2228.1	2230.6
25°	2176.5	2177.3	2189.0	2195.6	2199.0
27.5°	2135.7	2137.4	2152.3	2158.2	2161.5
30°	2089.9	2094.1	2109.9	2114.9	2117.4
32.5°	2038.3	2044.1	2063.3	2066.6	2066.6
35°	1981.7	1989.1	2007.5	2010.0	2008.3
37.5°	1918.4	1926.7	1947.5	1944.2	1941.7
40°	1847.6	1856.8	1877.6	1870.9	1866.8
42.5°	1771.8	1781.0	1799.3	1789.3	1783.5
45°	1688.6	1697.7	1712.7	1698.6	1691.9
47.5°	1598.6	1609.5	1617.0	1601.1	1592.8
50°	1503.7	1507.1	1514.6	1496.2	1487.1
52.5°	1400.5	1400.5	1406.3	1386.3	1375.5
55°	1289.7	1288.9	1283.9	1269.8	1259.8
57.5°	1172.3	1167.3	1164.0	1149.0	1137.4
60°	1046.6	1039.1	1035.0	1022.5	1013.3
62.5°	915.1	910.9	905.9	895.9	885.9
65°	780.2	776.0	772.7	765.2	757.7
67.5°	646.1	643.6	643.6	638.6	637.8
70°	517.1	518.7	519.6	519.6	508.7
72.5°	400.5	401.3	405.5	402.2	401.3
75°	296.4	301.4	306.4	303.9	303.9
77.5°	213.2	220.6	220.6	219.0	216.5
80°	144.0	147.4	149.9	149.0	147.4
82.5°	91.6	94.1	91.6	93.3	94.1
85°	47.5	50.8	49.1	50.0	52.5
87.5°	15.8	17.5	18.3	17.5	17.5
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)