

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: P506911

Luminaire Tested: **24PD-90-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-90-PW1-L927
Description: 9000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

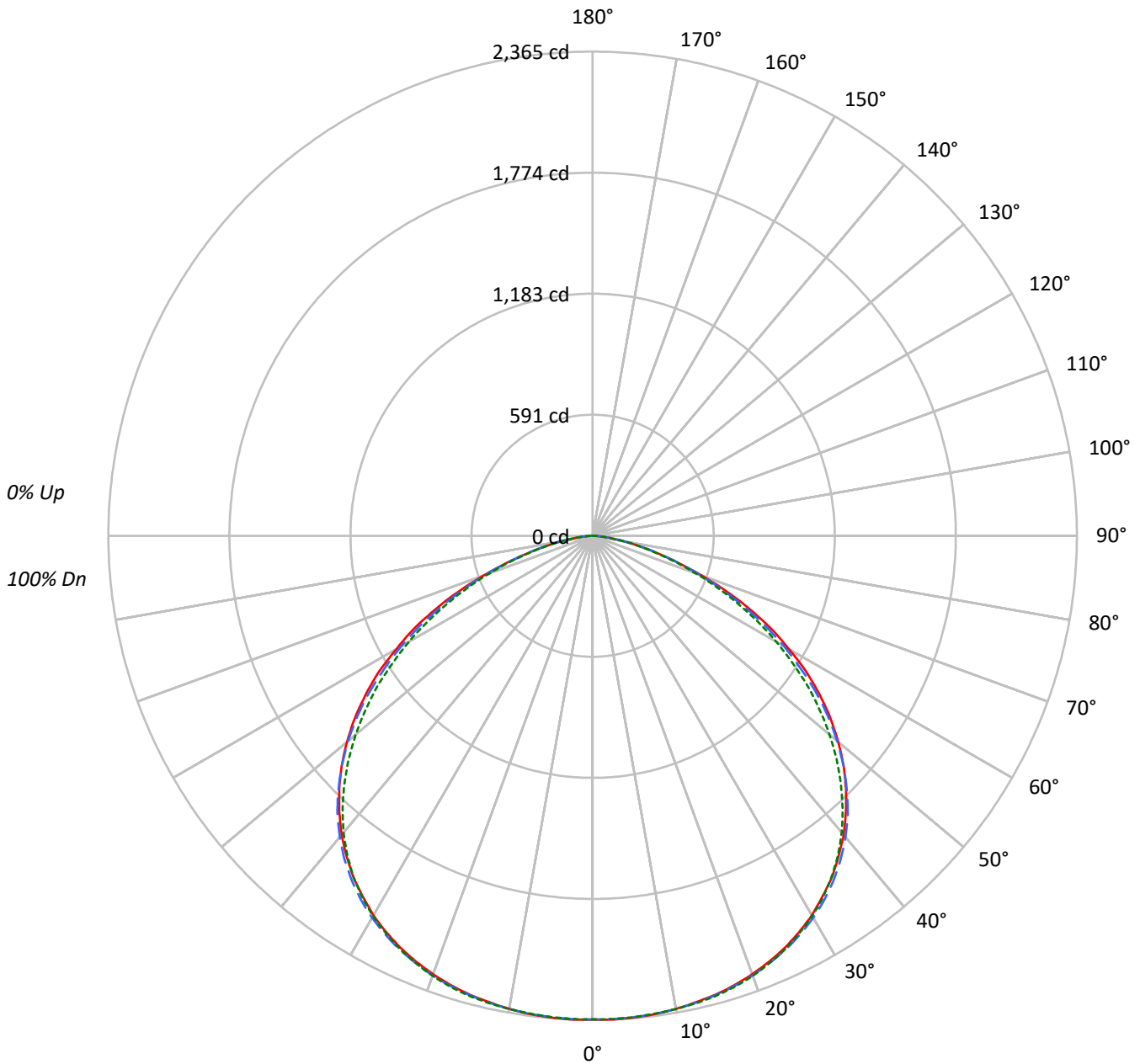
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6928.2 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 69.7
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: P506911
CATALOG NUMBER: 24PD-90-PW1-L927

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	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3179	3179	3179
5°	3190	3187	3187
10°	3206	3206	3207
15°	3232	3235	3241
20°	3263	3273	3275
25°	3297	3312	3307
30°	3326	3348	3332
35°	3345	3371	3342
40°	3349	3375	3324
45°	3330	3342	3262
50°	3278	3262	3160
55°	3173	3122	3011
60°	2980	2904	2790
65°	2688	2589	2484
70°	2216	2182	2102
75°	1694	1711	1642
80°	1175	1211	1185
85°	702	733	713



TEST NUMBER: P506911

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.8	3.2
10°-20°	656.8	9.5
20°-30°	1027.2	14.8
30°-40°	1277.7	18.4
40°-50°	1342.7	19.4
50°-60°	1178.6	17.0
60°-70°	802.6	11.6
70°-80°	354.0	5.1
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°	1908.8	27.6
0°-40°	3186.5	46.0
0°-60°	5707.9	82.4
0°-90°	6928.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6928.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2363	2363	2363	2363	2363	
5°	2362	2361	2359	2357	2359	225
15°	2320	2323	2322	2322	2327	656
25°	2221	2227	2231	2229	2227	1024
35°	2037	2046	2053	2043	2035	1273
45°	1750	1761	1756	1727	1714	1348
55°	1353	1348	1331	1296	1284	1206
65°	844	824	813	795	780	832
75°	326	328	329	323	316	357
85°	46	48	48	47	46	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2362.6	2362.6	2362.6	2362.6	2362.6
2.5°	2365.2	2363.9	2362.6	2360.6	2362.6
5°	2361.9	2361.3	2359.3	2356.6	2359.3
7.5°	2356.6	2356.6	2354.7	2352.7	2354.0
10°	2346.7	2348.7	2346.7	2344.8	2347.4
12.5°	2333.6	2336.8	2336.2	2336.2	2338.2
15°	2320.4	2323.0	2322.3	2322.3	2327.0
17.5°	2301.9	2305.2	2305.8	2307.2	2309.8
20°	2278.8	2283.4	2286.1	2285.4	2287.4
22.5°	2251.8	2257.0	2259.0	2260.3	2259.0
25°	2220.8	2226.7	2230.7	2229.3	2227.4
27.5°	2183.2	2189.8	2195.0	2191.7	2187.8
30°	2141.0	2146.9	2154.8	2148.9	2144.9
32.5°	2088.9	2100.1	2107.3	2100.1	2094.1
35°	2036.7	2046.0	2052.6	2042.7	2034.8
37.5°	1973.4	1984.6	1990.6	1976.7	1968.2
40°	1906.8	1918.0	1921.3	1903.5	1892.3
42.5°	1831.0	1843.5	1844.8	1819.7	1807.2
45°	1749.8	1761.0	1756.4	1727.4	1714.2
47.5°	1662.1	1670.0	1660.1	1630.5	1615.9
50°	1565.8	1570.4	1558.6	1523.6	1509.8
52.5°	1464.2	1463.6	1448.4	1413.5	1398.3
55°	1352.8	1347.5	1331.0	1296.1	1283.5
57.5°	1238.7	1222.2	1204.4	1174.7	1158.2
60°	1107.4	1094.9	1079.1	1049.4	1036.8
62.5°	983.4	961.0	947.8	921.4	910.2
65°	844.2	823.8	813.2	795.4	780.3
67.5°	704.4	688.6	681.3	668.8	655.0
70°	563.3	558.7	554.7	542.8	534.3
72.5°	438.6	437.3	436.6	430.0	421.5
75°	325.8	327.8	329.1	323.2	315.9
77.5°	232.2	235.5	234.8	231.5	229.5
80°	151.7	154.3	156.3	153.0	153.0
82.5°	91.7	94.3	93.7	95.0	92.3
85°	45.5	47.5	47.5	46.8	46.2
87.5°	16.5	17.1	16.5	17.1	16.5
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)