

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: P506912

Luminaire Tested: **24PD-90-PW1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506912
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-L930
Description: 9000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

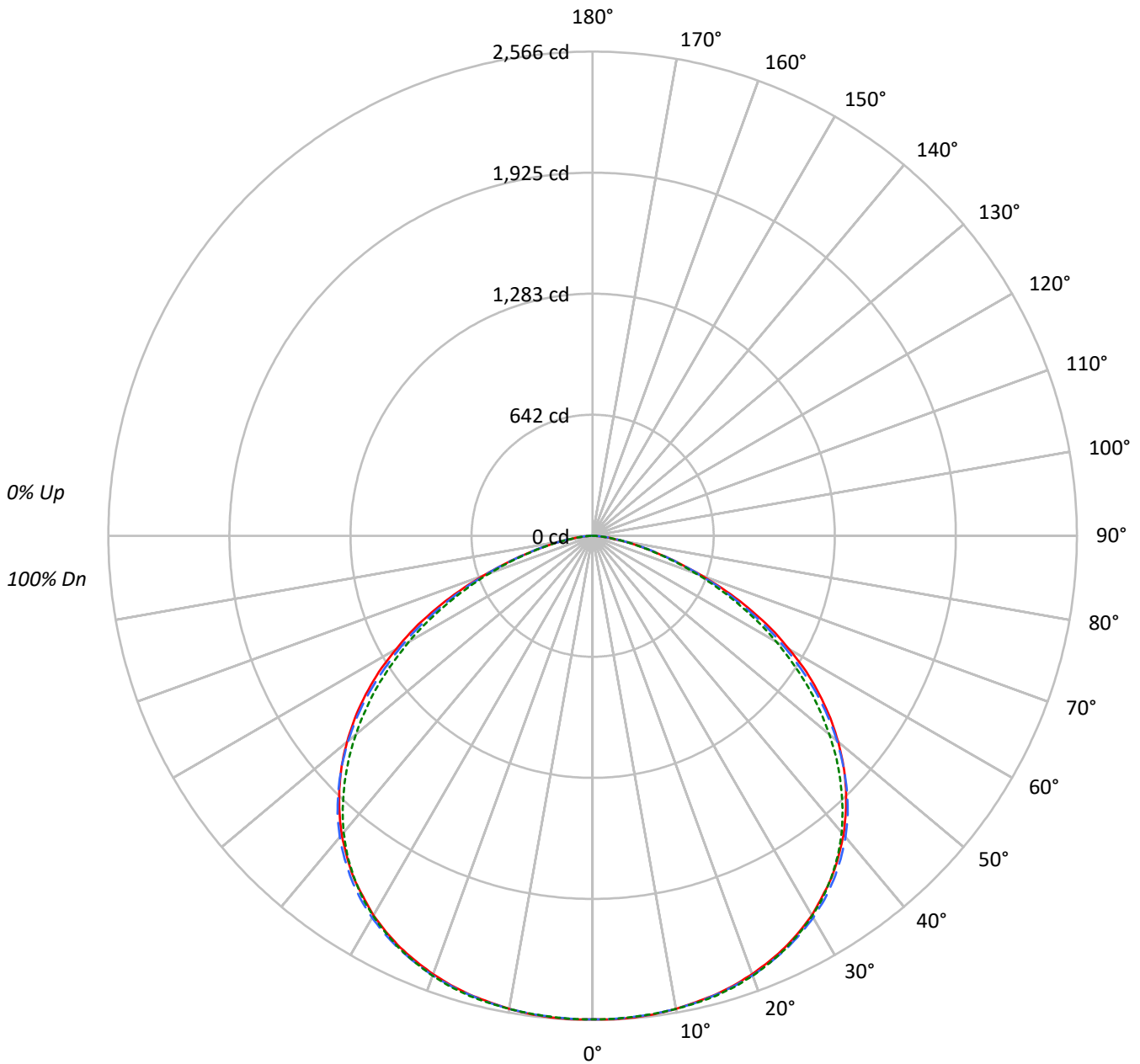
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7515.2 lumens
Efficiency: N/A
Efficacy: 107.8 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

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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	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°	3448	3448	3448
5°	3460	3456	3456
10°	3478	3478	3479
15°	3506	3509	3516
20°	3539	3551	3553
25°	3576	3592	3587
30°	3608	3631	3615
35°	3629	3657	3625
40°	3633	3661	3605
45°	3612	3625	3538
50°	3555	3539	3428
55°	3442	3387	3266
60°	3232	3150	3027
65°	2916	2808	2695
70°	2404	2367	2280
75°	1837	1856	1782
80°	1275	1314	1286
85°	763	795	773



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.9	3.2
10°-20°	712.5	9.5
20°-30°	1114.2	14.8
30°-40°	1385.9	18.4
40°-50°	1456.5	19.4
50°-60°	1278.5	17.0
60°-70°	870.6	11.6
70°-80°	384.0	5.1
80°-90°	69.2	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°	2070.5	27.6
0°-40°	3456.5	46.0
0°-60°	6191.4	82.4
0°-90°	7515.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7515.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2563	2563	2563	2563	2563	
5°	2562	2561	2559	2556	2559	244
15°	2517	2520	2519	2519	2524	711
25°	2409	2415	2420	2418	2416	1111
35°	2209	2219	2226	2216	2207	1381
45°	1898	1910	1905	1874	1859	1462
55°	1467	1462	1444	1406	1392	1308
65°	916	894	882	863	846	903
75°	353	356	357	351	343	387
85°	49	52	52	51	50	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2562.7	2562.7	2562.7	2562.7	2562.7
2.5°	2565.6	2564.1	2562.7	2560.6	2562.7
5°	2562.0	2561.3	2559.1	2556.3	2559.1
7.5°	2556.3	2556.3	2554.1	2552.0	2553.4
10°	2545.5	2547.7	2545.5	2543.4	2546.3
12.5°	2531.2	2534.8	2534.1	2534.1	2536.2
15°	2516.9	2519.8	2519.1	2519.1	2524.1
17.5°	2496.9	2500.5	2501.2	2502.6	2505.5
20°	2471.8	2476.9	2479.7	2479.0	2481.1
22.5°	2442.5	2448.2	2450.4	2451.8	2450.4
25°	2408.9	2415.3	2419.6	2418.2	2416.0
27.5°	2368.1	2375.3	2381.0	2377.4	2373.1
30°	2322.3	2328.8	2337.3	2330.9	2326.6
32.5°	2265.8	2278.0	2285.8	2278.0	2271.5
35°	2209.3	2219.3	2226.5	2215.7	2207.1
37.5°	2140.6	2152.8	2159.2	2144.2	2134.9
40°	2068.3	2080.5	2084.1	2064.8	2052.6
42.5°	1986.1	1999.7	2001.1	1973.9	1960.3
45°	1898.1	1910.2	1905.2	1873.7	1859.4
47.5°	1802.9	1811.5	1800.8	1768.6	1752.8
50°	1698.5	1703.5	1690.6	1652.7	1637.6
52.5°	1588.3	1587.6	1571.1	1533.2	1516.7
55°	1467.4	1461.6	1443.8	1405.8	1392.2
57.5°	1343.6	1325.7	1306.4	1274.2	1256.3
60°	1201.2	1187.6	1170.5	1138.3	1124.7
62.5°	1066.7	1042.4	1028.1	999.5	987.3
65°	915.8	893.6	882.1	862.8	846.4
67.5°	764.1	746.9	739.1	725.5	710.4
70°	611.0	606.0	601.7	588.8	579.5
72.5°	475.8	474.3	473.6	466.5	457.2
75°	353.4	355.6	357.0	350.6	342.7
77.5°	251.8	255.4	254.7	251.1	249.0
80°	164.6	167.4	169.6	166.0	166.0
82.5°	99.4	102.3	101.6	103.0	100.2
85°	49.4	51.5	51.5	50.8	50.1
87.5°	17.9	18.6	17.9	18.6	17.9
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)