

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: P506914

Luminaire Tested: **24PD-90-PW1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506914
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-L940
Description: 9000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

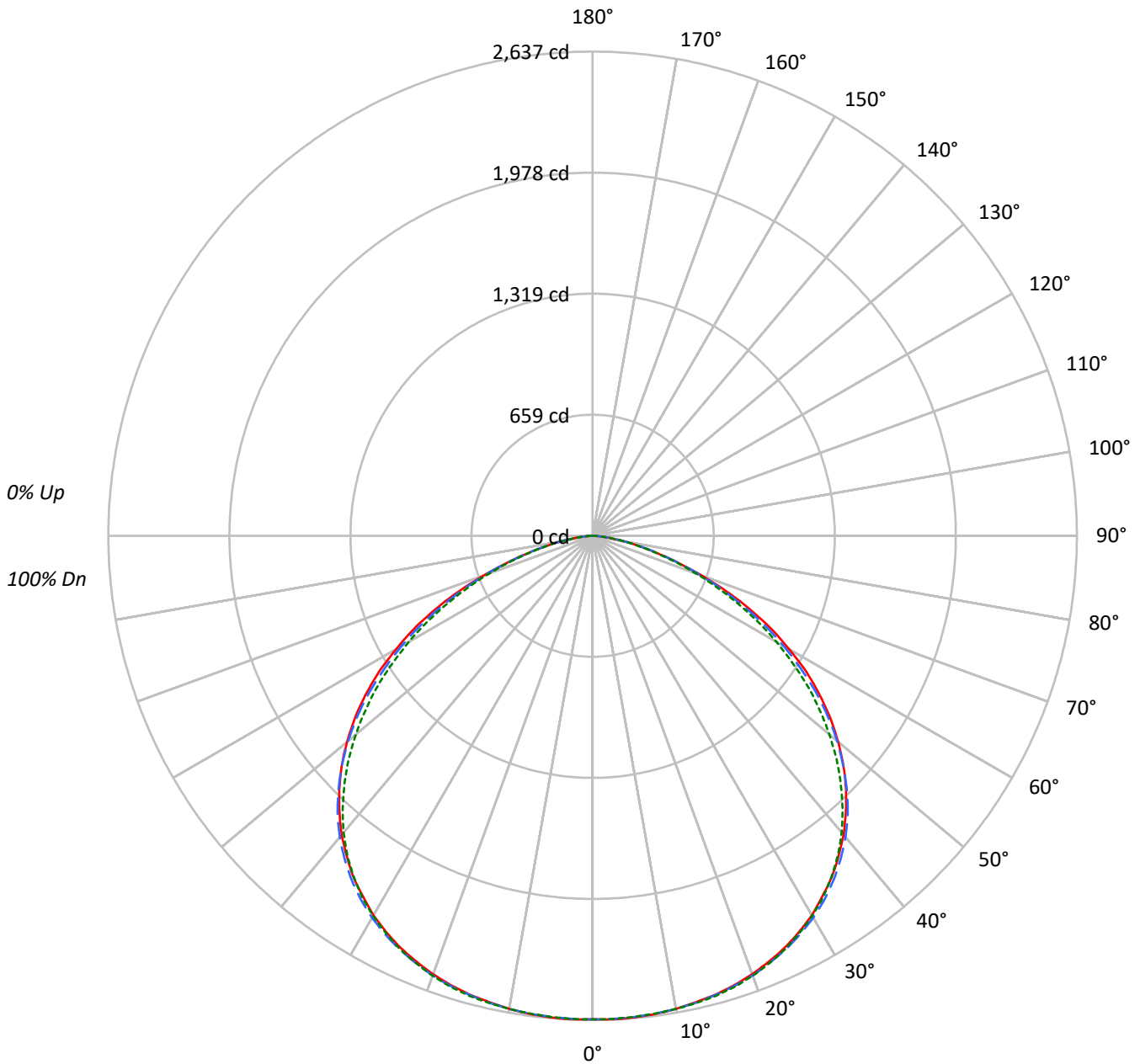
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7723.2 lumens
Efficiency: N/A
Efficacy: 110.8 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									
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°	3543	3543	3543
5°	3556	3552	3552
10°	3574	3574	3575
15°	3603	3606	3613
20°	3637	3649	3651
25°	3675	3692	3686
30°	3708	3732	3715
35°	3729	3758	3726
40°	3733	3762	3705
45°	3712	3726	3636
50°	3654	3637	3523
55°	3537	3480	3356
60°	3322	3237	3110
65°	2996	2886	2769
70°	2470	2432	2343
75°	1888	1907	1831
80°	1310	1351	1322
85°	783	817	795



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.6	3.2
10°-20°	732.2	9.5
20°-30°	1145.0	14.8
30°-40°	1424.3	18.4
40°-50°	1496.8	19.4
50°-60°	1313.8	17.0
60°-70°	894.7	11.6
70°-80°	394.7	5.1
80°-90°	71.1	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°	2127.8	27.6
0°-40°	3552.1	46.0
0°-60°	6362.8	82.4
0°-90°	7723.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7723.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2634	2634	2634	2634	2634	
5°	2633	2632	2630	2627	2630	251
15°	2587	2590	2589	2589	2594	731
25°	2476	2482	2487	2485	2483	1142
35°	2270	2281	2288	2277	2268	1419
45°	1951	1963	1958	1926	1911	1502
55°	1508	1502	1484	1445	1431	1344
65°	941	918	907	887	870	928
75°	363	365	367	360	352	397
85°	51	53	53	52	52	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2633.6	2633.6	2633.6	2633.6	2633.6
2.5°	2636.6	2635.1	2633.6	2631.4	2633.6
5°	2632.9	2632.2	2630.0	2627.0	2630.0
7.5°	2627.0	2627.0	2624.8	2622.6	2624.1
10°	2616.0	2618.2	2616.0	2613.8	2616.7
12.5°	2601.3	2605.0	2604.2	2604.2	2606.4
15°	2586.6	2589.5	2588.8	2588.8	2593.9
17.5°	2566.0	2569.7	2570.4	2571.9	2574.8
20°	2540.3	2545.4	2548.4	2547.6	2549.8
22.5°	2510.1	2516.0	2518.2	2519.7	2518.2
25°	2475.6	2482.2	2486.6	2485.1	2482.9
27.5°	2433.7	2441.0	2446.9	2443.2	2438.8
30°	2386.6	2393.2	2402.0	2395.4	2391.0
32.5°	2328.5	2341.0	2349.1	2341.0	2334.4
35°	2270.4	2280.7	2288.1	2277.1	2268.2
37.5°	2199.9	2212.4	2219.0	2203.5	2194.0
40°	2125.6	2138.1	2141.8	2121.9	2109.4
42.5°	2041.0	2055.0	2056.5	2028.5	2014.6
45°	1950.6	1963.1	1958.0	1925.6	1910.9
47.5°	1852.8	1861.6	1850.6	1817.5	1801.4
50°	1745.5	1750.6	1737.4	1698.4	1683.0
52.5°	1632.2	1631.5	1614.6	1575.6	1558.7
55°	1508.0	1502.1	1483.7	1444.8	1430.8
57.5°	1380.8	1362.4	1342.6	1309.5	1291.1
60°	1234.5	1220.5	1202.9	1169.8	1155.8
62.5°	1096.3	1071.3	1056.5	1027.1	1014.6
65°	941.1	918.3	906.6	886.7	869.8
67.5°	785.2	767.6	759.5	745.5	730.1
70°	627.9	622.8	618.3	605.1	595.5
72.5°	488.9	487.5	486.7	479.4	469.8
75°	363.2	365.4	366.9	360.3	352.2
77.5°	258.8	262.5	261.7	258.1	255.9
80°	169.1	172.0	174.3	170.6	170.6
82.5°	102.2	105.1	104.4	105.9	102.9
85°	50.7	52.9	52.9	52.2	51.5
87.5°	18.4	19.1	18.4	19.1	18.4
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)