

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: P506913

Luminaire Tested: **24PD-90-PW1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506913
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-L935
Description: 9000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

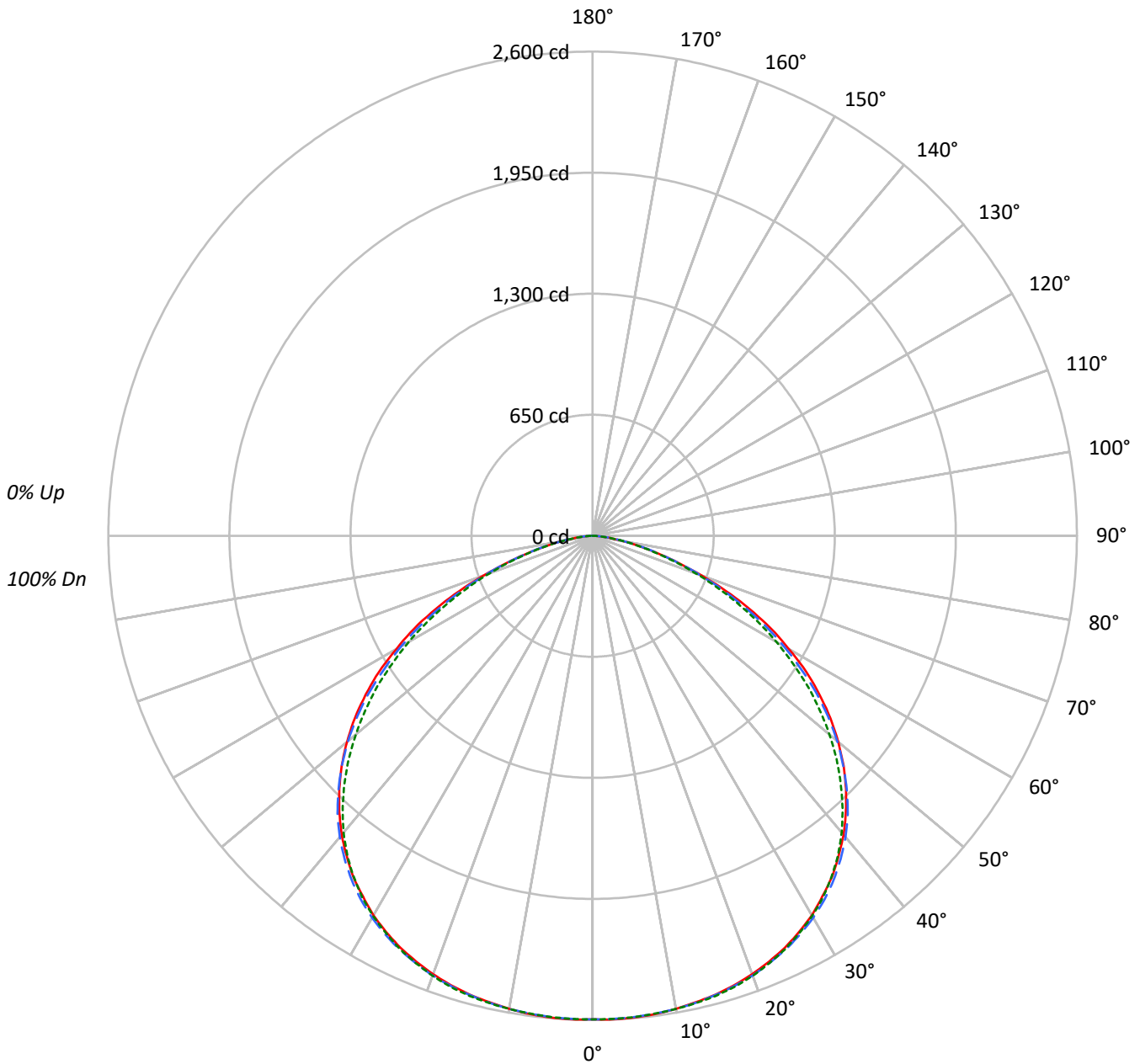
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7615.7 lumens
Efficiency: N/A
Efficacy: 109.3 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°	3494	3494	3494
5°	3507	3503	3503
10°	3524	3524	3525
15°	3553	3556	3563
20°	3587	3598	3600
25°	3624	3640	3635
30°	3656	3680	3663
35°	3677	3706	3674
40°	3681	3709	3653
45°	3660	3674	3585
50°	3603	3586	3474
55°	3488	3432	3310
60°	3276	3192	3067
65°	2954	2846	2731
70°	2436	2399	2310
75°	1862	1881	1805
80°	1292	1331	1303
85°	772	806	784



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.2	3.2
10°-20°	722.0	9.5
20°-30°	1129.1	14.8
30°-40°	1404.5	18.4
40°-50°	1475.9	19.4
50°-60°	1295.5	17.0
60°-70°	882.2	11.6
70°-80°	389.2	5.1
80°-90°	70.1	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°	2098.2	27.6
0°-40°	3502.7	46.0
0°-60°	6274.2	82.4
0°-90°	7615.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7615.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2597	2597	2597	2597	2597	
5°	2596	2596	2593	2590	2593	247
15°	2551	2554	2553	2553	2558	721
25°	2441	2448	2452	2450	2448	1126
35°	2239	2249	2256	2245	2237	1399
45°	1923	1936	1931	1899	1884	1481
55°	1487	1481	1463	1425	1411	1325
65°	928	906	894	874	858	915
75°	358	360	362	355	347	392
85°	50	52	52	52	51	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2597.0	2597.0	2597.0	2597.0	2597.0
2.5°	2599.9	2598.4	2597.0	2594.8	2597.0
5°	2596.3	2595.5	2593.4	2590.5	2593.4
7.5°	2590.5	2590.5	2588.3	2586.1	2587.6
10°	2579.6	2581.8	2579.6	2577.4	2580.3
12.5°	2565.1	2568.7	2568.0	2568.0	2570.2
15°	2550.6	2553.5	2552.8	2552.8	2557.8
17.5°	2530.3	2533.9	2534.6	2536.1	2539.0
20°	2504.9	2510.0	2512.9	2512.2	2514.3
22.5°	2475.2	2481.0	2483.2	2484.6	2483.2
25°	2441.1	2447.6	2452.0	2450.5	2448.4
27.5°	2399.8	2407.0	2412.8	2409.2	2404.9
30°	2353.4	2359.9	2368.6	2362.1	2357.7
32.5°	2296.1	2308.4	2316.4	2308.4	2301.9
35°	2238.8	2249.0	2256.2	2245.4	2236.6
37.5°	2169.2	2181.5	2188.1	2172.8	2163.4
40°	2096.0	2108.3	2111.9	2092.4	2080.0
42.5°	2012.6	2026.4	2027.8	2000.3	1986.5
45°	1923.4	1935.8	1930.7	1898.8	1884.3
47.5°	1827.0	1835.7	1824.8	1792.2	1776.3
50°	1721.2	1726.2	1713.2	1674.8	1659.5
52.5°	1609.5	1608.8	1592.1	1553.7	1537.0
55°	1487.0	1481.2	1463.1	1424.6	1410.9
57.5°	1361.6	1343.4	1323.9	1291.2	1273.1
60°	1217.3	1203.5	1186.1	1153.5	1139.7
62.5°	1081.0	1056.3	1041.8	1012.8	1000.5
65°	928.0	905.5	893.9	874.4	857.7
67.5°	774.3	756.9	748.9	735.2	719.9
70°	619.2	614.1	609.7	596.7	587.3
72.5°	482.1	480.7	480.0	472.7	463.3
75°	358.2	360.3	361.8	355.3	347.3
77.5°	255.2	258.8	258.1	254.5	252.3
80°	166.8	169.7	171.8	168.2	168.2
82.5°	100.8	103.7	103.0	104.4	101.5
85°	50.0	52.2	52.2	51.5	50.8
87.5°	18.1	18.9	18.1	18.9	18.1
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)