

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: P506857

Luminaire Tested: **24PD-80-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506857
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-80-PW1-L927
Description: 8000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

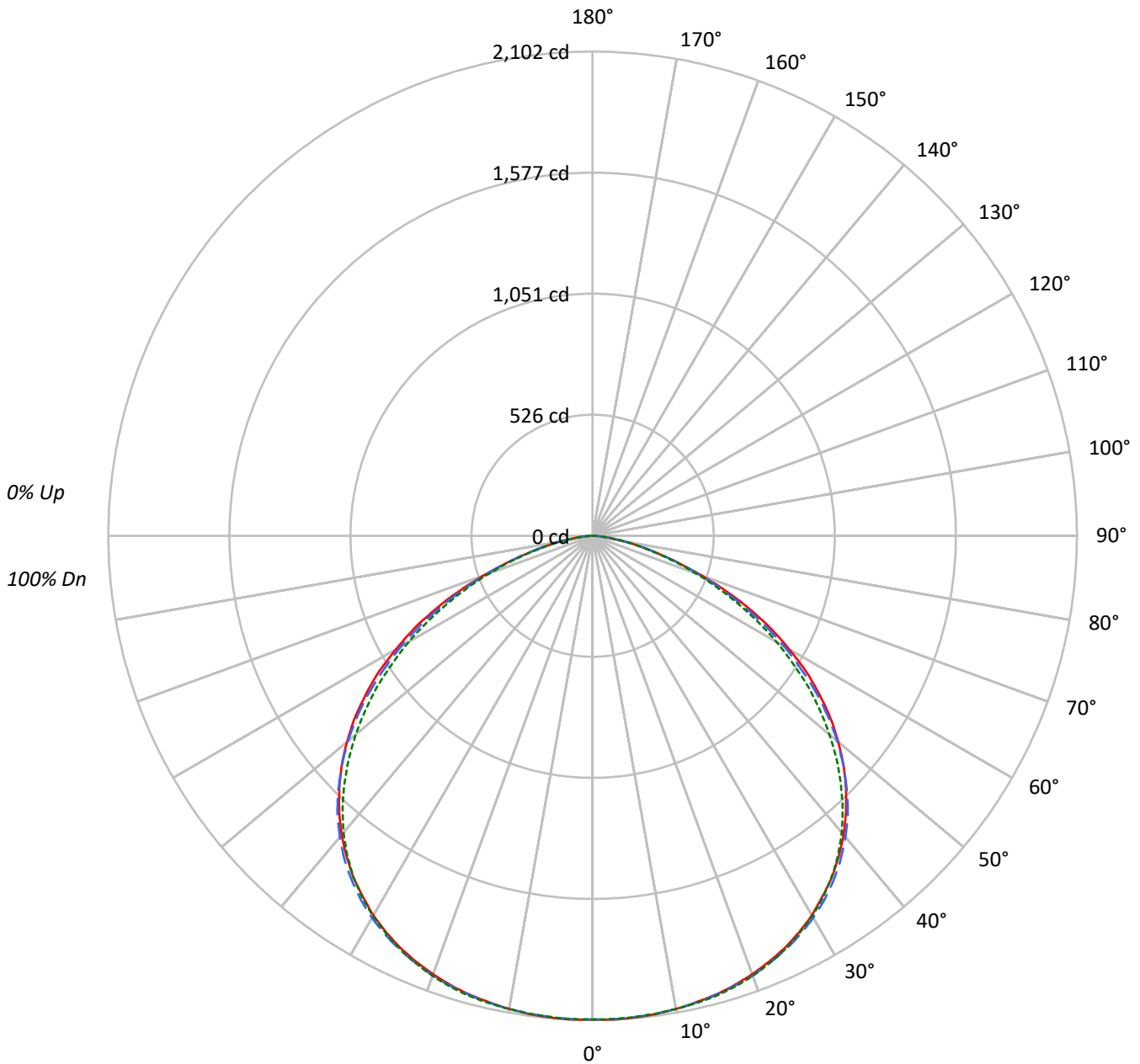
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6158.5 lumens
Efficiency: N/A
Efficacy: 100.6 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): 61.2
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°	2826	2826	2826
5°	2836	2832	2832
10°	2850	2850	2851
15°	2873	2875	2881
20°	2900	2910	2911
25°	2931	2944	2939
30°	2957	2976	2962
35°	2974	2997	2971
40°	2977	3000	2954
45°	2960	2971	2899
50°	2913	2900	2809
55°	2821	2775	2676
60°	2649	2581	2480
65°	2389	2301	2208
70°	1970	1940	1868
75°	1506	1521	1460
80°	1044	1076	1054
85°	625	651	633



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.9	3.2
10°-20°	583.8	9.5
20°-30°	913.0	14.8
30°-40°	1135.7	18.4
40°-50°	1193.5	19.4
50°-60°	1047.7	17.0
60°-70°	713.4	11.6
70°-80°	314.7	5.1
80°-90°	56.7	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°	1696.7	27.6
0°-40°	2832.5	46.0
0°-60°	5073.7	82.4
0°-90°	6158.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6158.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2100	2100	2100	2100	2100	
5°	2100	2099	2097	2095	2097	200
15°	2062	2065	2064	2064	2068	583
25°	1974	1979	1983	1982	1980	910
35°	1810	1819	1824	1816	1809	1131
45°	1555	1565	1561	1536	1524	1198
55°	1202	1198	1183	1152	1141	1072
65°	750	732	723	707	694	740
75°	290	291	293	287	281	317
85°	40	42	42	42	41	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2100.1	2100.1	2100.1	2100.1	2100.1
2.5°	2102.4	2101.2	2100.1	2098.3	2100.1
5°	2099.5	2098.9	2097.1	2094.8	2097.1
7.5°	2094.8	2094.8	2093.0	2091.3	2092.4
10°	2086.0	2087.8	2086.0	2084.2	2086.6
12.5°	2074.3	2077.2	2076.6	2076.6	2078.4
15°	2062.5	2064.9	2064.3	2064.3	2068.4
17.5°	2046.1	2049.1	2049.6	2050.8	2053.2
20°	2025.6	2029.7	2032.1	2031.5	2033.2
22.5°	2001.6	2006.3	2008.0	2009.2	2008.0
25°	1974.0	1979.3	1982.8	1981.6	1979.9
27.5°	1940.6	1946.5	1951.1	1948.2	1944.7
30°	1903.1	1908.3	1915.4	1910.1	1906.6
32.5°	1856.8	1866.7	1873.2	1866.7	1861.4
35°	1810.4	1818.6	1824.5	1815.7	1808.7
37.5°	1754.2	1764.1	1769.4	1757.1	1749.5
40°	1694.9	1704.9	1707.8	1692.0	1682.0
42.5°	1627.5	1638.7	1639.8	1617.6	1606.4
45°	1555.4	1565.4	1561.3	1535.5	1523.7
47.5°	1477.4	1484.5	1475.7	1449.3	1436.4
50°	1391.8	1395.9	1385.4	1354.3	1342.0
52.5°	1301.5	1301.0	1287.5	1256.4	1242.9
55°	1202.5	1197.8	1183.1	1152.0	1140.9
57.5°	1101.0	1086.4	1070.6	1044.2	1029.5
60°	984.4	973.2	959.2	932.8	921.6
62.5°	874.1	854.2	842.5	819.0	809.1
65°	750.4	732.3	722.9	707.1	693.6
67.5°	626.1	612.1	605.6	594.5	582.2
70°	500.7	496.6	493.1	482.5	474.9
72.5°	389.9	388.7	388.1	382.3	374.6
75°	289.6	291.4	292.6	287.3	280.8
77.5°	206.4	209.3	208.7	205.8	204.0
80°	134.8	137.2	138.9	136.0	136.0
82.5°	81.5	83.8	83.3	84.4	82.1
85°	40.5	42.2	42.2	41.6	41.0
87.5°	14.7	15.2	14.7	15.2	14.7
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)