

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: P506794

Luminaire Tested: **24PD-70-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-70-PR1-L927
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

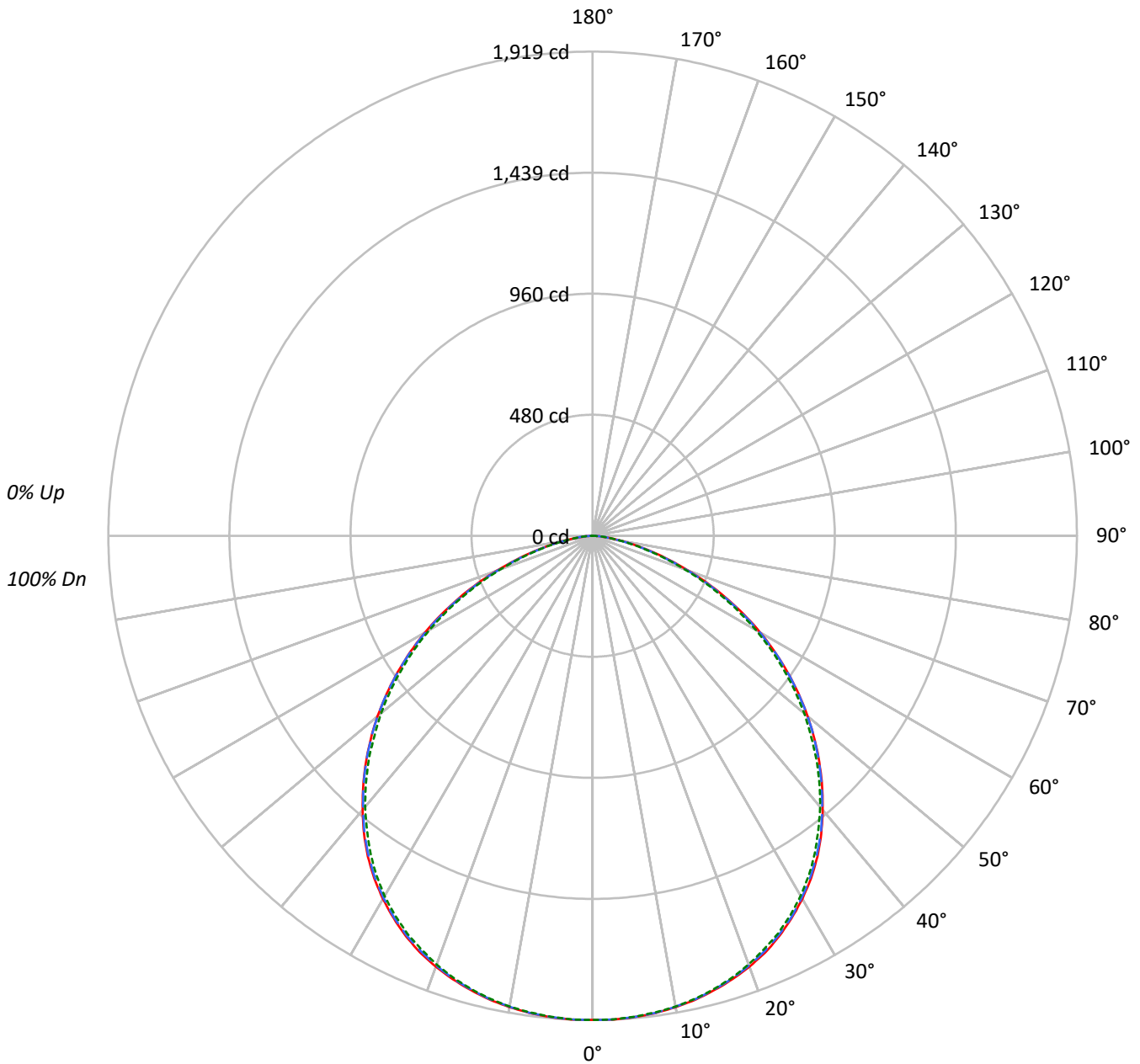
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5166.0 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51.5
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2582	2582	2582
5°	2586	2585	2584
10°	2592	2589	2588
15°	2597	2594	2591
20°	2602	2596	2588
25°	2599	2592	2581
30°	2582	2575	2561
35°	2550	2542	2522
40°	2491	2485	2463
45°	2418	2414	2387
50°	2328	2327	2291
55°	2213	2209	2167
60°	2063	2055	2008
65°	1859	1837	1794
70°	1587	1564	1524
75°	1254	1226	1198
80°	891	868	841
85°	536	520	505



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.1	3.5
10°-20°	525.8	10.2
20°-30°	803.9	15.6
30°-40°	965.3	18.7
40°-50°	975.5	18.9
50°-60°	838.2	16.2
60°-70°	571.8	11.1
70°-80°	257.1	5.0
80°-90°	46.2	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°	1511.8	29.3
0°-40°	2477.1	48.0
0°-60°	4290.9	83.1
0°-90°	5166.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5166.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1919	1919	1919	1919	1919	
5°	1915	1914	1914	1913	1913	182
15°	1864	1864	1862	1860	1860	527
25°	1751	1750	1746	1740	1738	806
35°	1553	1553	1548	1538	1535	969
45°	1271	1274	1269	1260	1254	979
55°	944	947	942	933	924	842
65°	584	587	577	573	564	578
75°	241	243	236	234	230	262
85°	35	35	34	34	33	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1918.9	1918.9	1918.9	1918.9	1918.9
2.5°	1919.4	1918.9	1918.4	1917.4	1918.9
5°	1914.9	1914.4	1913.9	1912.9	1912.9
7.5°	1908.0	1907.0	1907.0	1905.5	1905.0
10°	1897.1	1896.6	1895.1	1895.1	1894.6
12.5°	1883.2	1882.2	1880.7	1880.2	1879.2
15°	1864.4	1863.9	1861.9	1860.4	1859.9
17.5°	1843.1	1841.6	1840.1	1836.6	1836.6
20°	1817.3	1816.3	1812.8	1809.4	1807.4
22.5°	1787.6	1785.6	1781.6	1778.1	1774.2
25°	1750.9	1750.4	1745.9	1740.0	1738.5
27.5°	1708.3	1709.3	1704.8	1698.8	1695.9
30°	1661.7	1663.7	1657.2	1649.8	1648.3
32.5°	1610.6	1611.1	1605.7	1597.7	1594.8
35°	1552.7	1552.7	1547.7	1538.3	1535.3
37.5°	1488.2	1487.7	1484.8	1473.9	1468.4
40°	1418.3	1420.8	1414.9	1405.0	1402.5
42.5°	1346.0	1349.0	1343.5	1335.1	1329.6
45°	1270.7	1274.1	1268.7	1259.8	1254.3
47.5°	1192.9	1195.3	1191.4	1180.0	1172.5
50°	1112.1	1117.0	1111.6	1099.7	1094.7
52.5°	1028.8	1034.3	1027.8	1018.9	1009.5
55°	943.6	947.1	941.6	933.2	923.8
57.5°	855.9	862.8	853.9	844.0	836.0
60°	766.7	772.6	763.7	754.8	746.3
62.5°	676.0	679.9	670.0	664.6	654.7
65°	583.8	586.8	576.9	572.9	563.5
67.5°	492.6	495.1	485.7	480.2	474.8
70°	403.4	405.4	397.5	392.5	387.5
72.5°	319.2	319.6	312.2	310.7	304.8
75°	241.3	243.3	235.9	234.4	230.4
77.5°	173.5	173.9	169.0	168.0	164.5
80°	115.0	115.5	112.0	111.5	108.5
82.5°	69.4	69.9	66.9	66.9	64.9
85°	34.7	35.2	33.7	33.7	32.7
87.5°	11.9	12.4	11.9	11.9	11.4
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)