

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: P506839

Luminaire Tested: **24PD-80-PL1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-80-PL1-L927
Description: 8000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

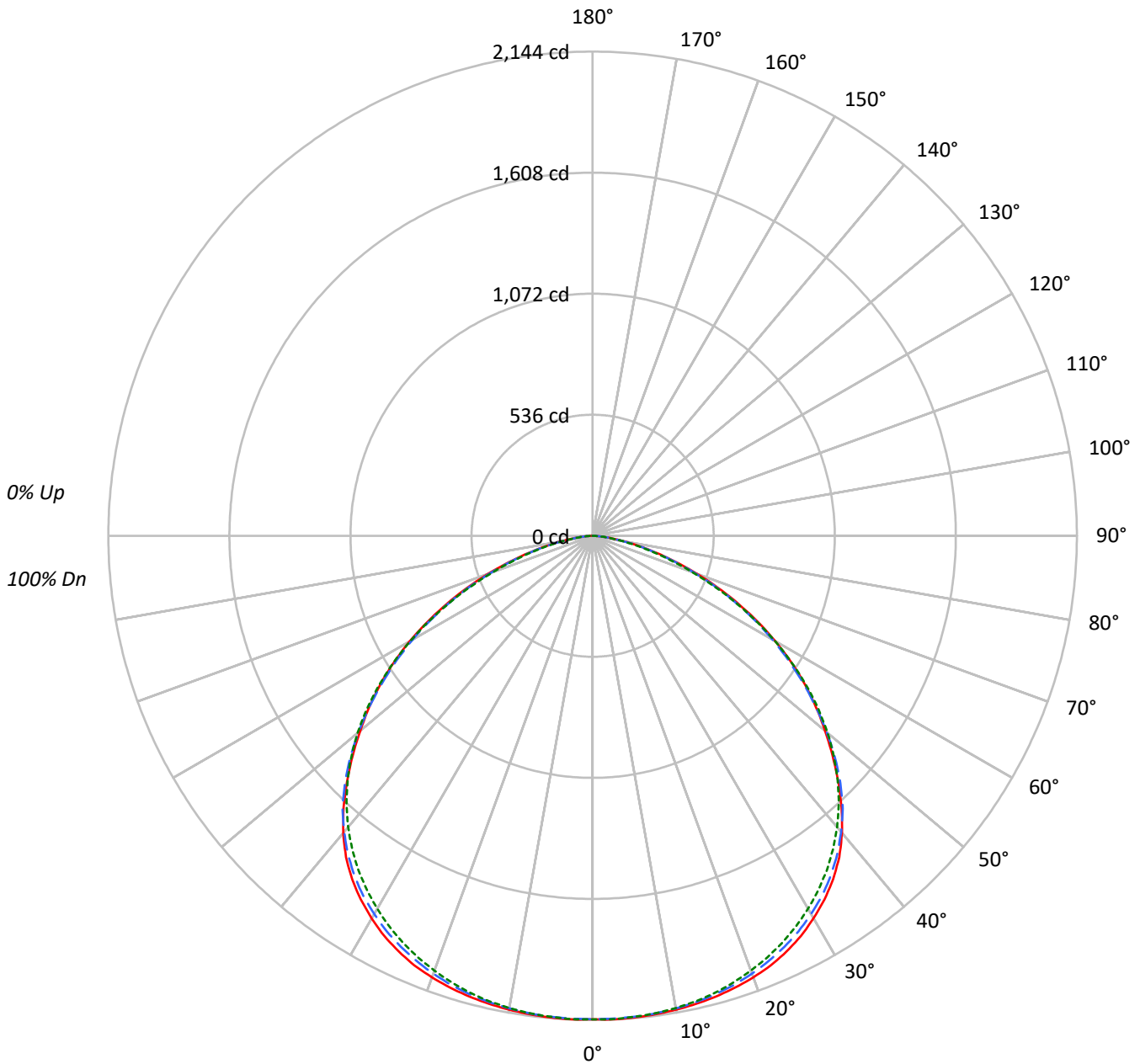
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6142.0 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
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	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2881	2881	2881
5°	2892	2887	2888
10°	2912	2904	2901
15°	2942	2928	2919
20°	2979	2955	2934
25°	3016	2982	2951
30°	3040	3005	2963
35°	3050	3019	2969
40°	3017	3006	2957
45°	2925	2952	2919
50°	2811	2832	2842
55°	2690	2669	2709
60°	2516	2475	2507
65°	2264	2219	2217
70°	1928	1884	1840
75°	1518	1484	1423
80°	1086	1054	995
85°	642	633	588



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.7	3.3
10°-20°	594.3	9.7
20°-30°	926.4	15.1
30°-40°	1146.3	18.7
40°-50°	1188.4	19.3
50°-60°	1023.2	16.7
60°-70°	694.2	11.3
70°-80°	309.8	5.0
80°-90°	55.7	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°	1724.4	28.1
0°-40°	2870.8	46.7
0°-60°	5082.3	82.7
0°-90°	6142.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6142.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2141	2141	2141	2141	2141	
5°	2141	2138	2138	2138	2138	204
15°	2112	2106	2102	2097	2095	597
25°	2031	2024	2009	1994	1988	937
35°	1857	1851	1838	1818	1808	1159
45°	1537	1544	1551	1545	1534	1185
55°	1147	1147	1138	1151	1155	1023
65°	711	714	697	690	696	704
75°	292	294	286	279	274	317
85°	42	42	41	41	38	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2141.1	2141.1	2141.1	2141.1	2141.1
2.5°	2144.0	2139.3	2139.9	2140.5	2142.8
5°	2141.1	2138.1	2137.5	2137.5	2138.1
7.5°	2137.5	2134.0	2133.4	2132.8	2132.8
10°	2131.1	2127.6	2125.2	2124.0	2123.5
12.5°	2122.3	2118.2	2115.3	2112.9	2111.2
15°	2112.3	2106.5	2101.8	2097.1	2095.3
17.5°	2098.3	2093.0	2084.8	2077.1	2074.2
20°	2080.7	2075.4	2063.7	2053.1	2049.0
22.5°	2060.1	2052.5	2037.9	2026.1	2020.3
25°	2031.4	2023.8	2008.6	1993.9	1988.0
27.5°	1998.0	1991.0	1974.6	1957.0	1949.9
30°	1956.4	1951.7	1934.1	1914.8	1907.1
32.5°	1910.1	1905.4	1890.1	1868.4	1859.6
35°	1856.7	1851.4	1838.0	1818.0	1807.5
37.5°	1793.4	1791.6	1778.7	1758.2	1748.3
40°	1717.8	1721.3	1711.3	1693.7	1683.8
42.5°	1631.6	1639.2	1639.2	1622.8	1612.8
45°	1537.2	1544.2	1551.3	1545.4	1534.3
47.5°	1440.5	1448.1	1456.3	1458.6	1449.3
50°	1343.1	1347.8	1353.1	1363.7	1357.8
52.5°	1246.4	1248.2	1246.4	1260.5	1259.3
55°	1146.7	1147.3	1137.9	1150.8	1154.9
57.5°	1043.0	1044.7	1029.5	1036.5	1045.3
60°	935.1	936.9	919.9	921.0	931.6
62.5°	823.7	826.1	809.1	804.9	814.3
65°	711.1	714.1	697.1	689.5	696.5
67.5°	599.2	602.7	586.9	577.5	579.2
70°	490.1	493.1	479.0	470.2	467.8
72.5°	386.4	389.3	378.1	369.3	365.2
75°	292.0	294.3	285.5	279.1	273.8
77.5°	209.9	211.6	204.6	199.9	194.6
80°	140.1	140.7	136.0	133.1	128.4
82.5°	83.8	84.4	81.5	80.3	76.8
85°	41.6	42.2	41.0	41.0	38.1
87.5°	14.7	14.1	14.7	14.7	12.9
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)