

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: P506789

Luminaire Tested: **24PD-70-PL1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506789
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-70-PL1-L950
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

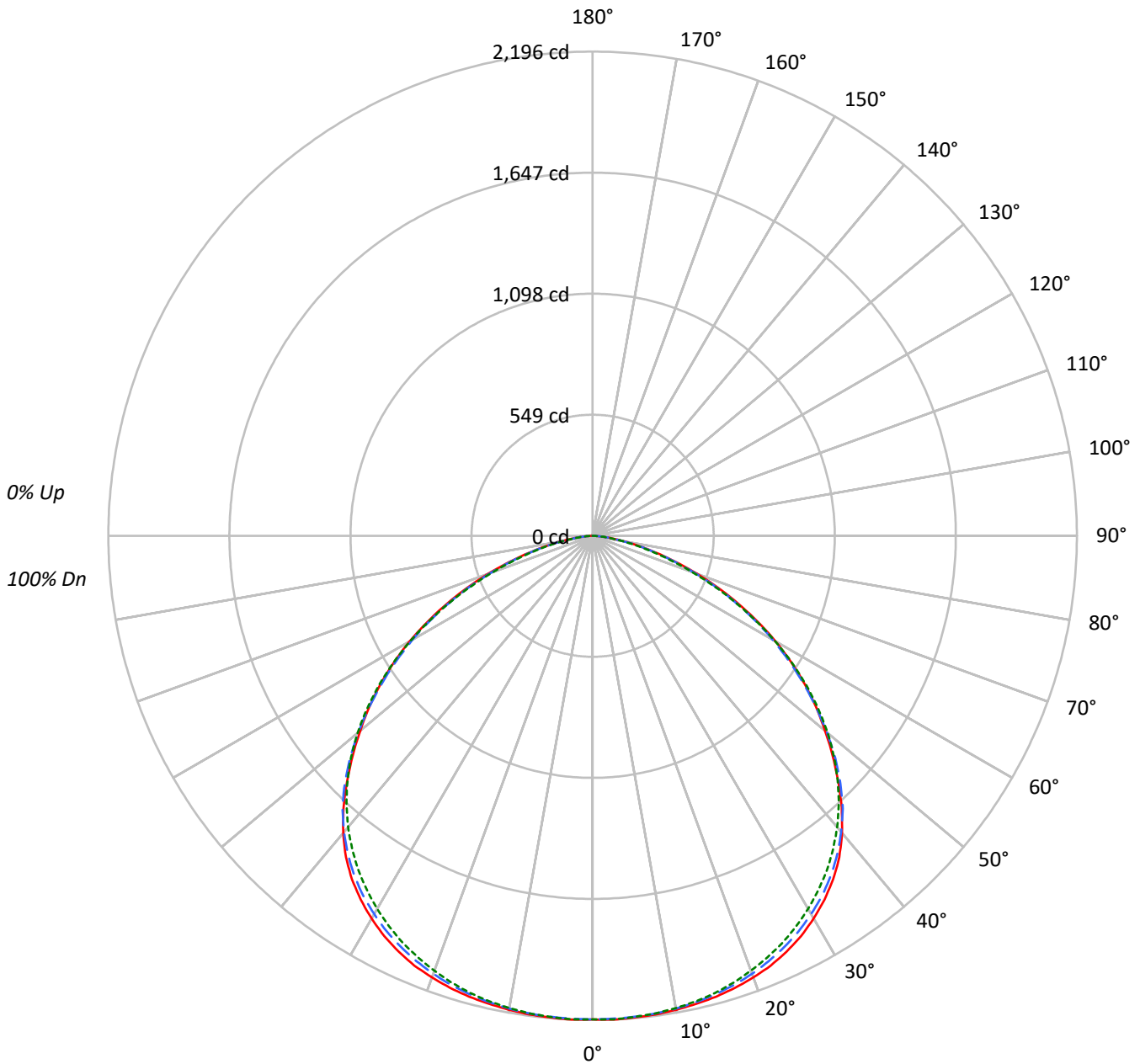
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6292.3 lumens
Efficiency: N/A
Efficacy: 122.2 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): 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	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°	2951	2951	2951
5°	2963	2958	2959
10°	2983	2975	2972
15°	3014	2999	2990
20°	3052	3027	3006
25°	3090	3055	3024
30°	3114	3078	3035
35°	3124	3093	3041
40°	3091	3079	3030
45°	2997	3024	2991
50°	2880	2902	2912
55°	2756	2735	2776
60°	2578	2536	2568
65°	2320	2273	2272
70°	1975	1930	1886
75°	1555	1521	1458
80°	1112	1079	1019
85°	658	648	602



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.7	3.3
10°-20°	608.8	9.7
20°-30°	949.1	15.1
30°-40°	1174.4	18.7
40°-50°	1217.4	19.3
50°-60°	1048.2	16.7
60°-70°	711.2	11.3
70°-80°	317.3	5.0
80°-90°	57.1	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°	1766.6	28.1
0°-40°	2941.0	46.7
0°-60°	5206.7	82.7
0°-90°	6292.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6292.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2194	2194	2194	2194	2194	
5°	2194	2190	2190	2190	2190	209
15°	2164	2158	2153	2148	2147	612
25°	2081	2073	2058	2043	2037	959
35°	1902	1897	1883	1862	1852	1187
45°	1575	1582	1589	1583	1572	1214
55°	1175	1175	1166	1179	1183	1048
65°	729	732	714	706	714	721
75°	299	302	292	286	280	325
85°	43	43	42	42	39	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2193.5	2193.5	2193.5	2193.5	2193.5
2.5°	2196.5	2191.7	2192.3	2192.9	2195.3
5°	2193.5	2190.5	2189.9	2189.9	2190.5
7.5°	2189.9	2186.3	2185.7	2185.1	2185.1
10°	2183.2	2179.6	2177.2	2176.0	2175.4
12.5°	2174.2	2170.0	2167.0	2164.6	2162.8
15°	2164.0	2158.0	2153.2	2148.4	2146.6
17.5°	2149.6	2144.2	2135.8	2128.0	2125.0
20°	2131.6	2126.2	2114.2	2103.4	2099.2
22.5°	2110.6	2102.8	2087.8	2075.7	2069.7
25°	2081.1	2073.3	2057.7	2042.7	2036.7
27.5°	2046.9	2039.7	2022.9	2004.9	1997.7
30°	2004.3	1999.5	1981.4	1961.6	1953.8
32.5°	1956.8	1952.0	1936.4	1914.2	1905.2
35°	1902.2	1896.8	1882.9	1862.5	1851.7
37.5°	1837.3	1835.5	1822.3	1801.3	1791.0
40°	1759.8	1763.4	1753.2	1735.2	1725.0
42.5°	1671.5	1679.3	1679.3	1662.5	1652.3
45°	1574.8	1582.0	1589.2	1583.2	1571.8
47.5°	1475.7	1483.5	1491.9	1494.3	1484.7
50°	1376.0	1380.8	1386.2	1397.0	1391.0
52.5°	1276.9	1278.7	1276.9	1291.3	1290.1
55°	1174.8	1175.4	1165.8	1179.0	1183.2
57.5°	1068.5	1070.3	1054.7	1061.9	1070.9
60°	958.0	959.8	942.4	943.6	954.4
62.5°	843.9	846.3	828.9	824.6	834.3
65°	728.6	731.6	714.1	706.3	713.5
67.5°	613.8	617.4	601.2	591.6	593.4
70°	502.1	505.1	490.7	481.7	479.3
72.5°	395.8	398.8	387.4	378.4	374.2
75°	299.1	301.5	292.5	285.9	280.5
77.5°	215.0	216.8	209.6	204.8	199.4
80°	143.5	144.1	139.3	136.3	131.5
82.5°	85.9	86.5	83.5	82.3	78.7
85°	42.6	43.2	42.0	42.0	39.0
87.5°	15.0	14.4	15.0	15.0	13.2
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)