

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: P506094

Luminaire Tested: **14PD-70-PR1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-70-PR1-L935
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

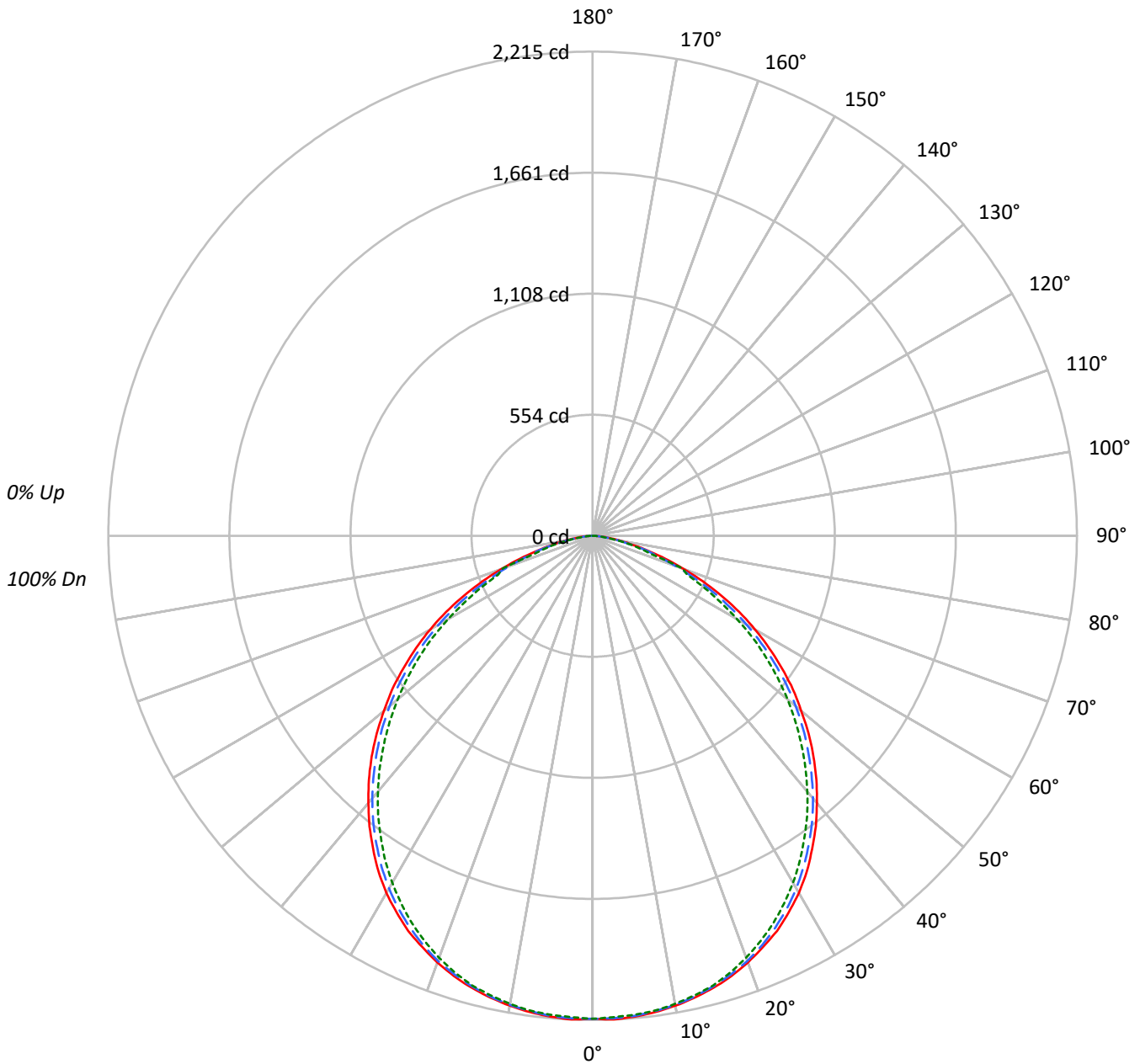
Lumens per Lamp: N/A
Luminaire Lumens: 5686.0 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71.2
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

TEST NUMBER: P506094

CATALOG NUMBER: 14PD-70-PR1-L935

Luminous Intensity Polar Plot





TEST NUMBER: P506094

CATALOG NUMBER: 14PD-70-PR1-L935

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	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5945	5945	5945
5°	5965	5956	5942
10°	5966	5954	5942
15°	5963	5945	5933
20°	5948	5926	5882
25°	5923	5871	5806
30°	5862	5787	5696
35°	5748	5662	5547
40°	5605	5509	5367
45°	5439	5306	5139
50°	5213	5076	4870
55°	4959	4764	4539
60°	4617	4376	4105
65°	4146	3854	3603
70°	3487	3177	3435
75°	2686	2583	2321
80°	1934	1729	1644
85°	1183	1013	911



TEST NUMBER: P506094

CATALOG NUMBER: 14PD-70-PR1-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.4	3.7
10°-20°	601.7	10.6
20°-30°	908.8	16.0
30°-40°	1075.2	18.9
40°-50°	1072.1	18.9
50°-60°	905.7	15.9
60°-70°	603.4	10.6
70°-80°	262.2	4.6
80°-90°	47.5	0.8
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°	1719.9	30.2
0°-40°	2795.1	49.2
0°-60°	4772.9	83.9
0°-90°	5686.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5686.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2209	2209	2209	2209	2209	
5°	2208	2200	2205	2203	2200	210
15°	2140	2131	2134	2131	2130	604
25°	1995	1982	1977	1960	1956	918
35°	1750	1738	1724	1701	1688	1094
45°	1429	1416	1394	1365	1350	1101
55°	1057	1049	1016	983	967	944
65°	651	644	605	579	566	644
75°	258	253	248	240	223	282
85°	38	39	33	31	30	52
90°	0	0	0	0	0	



TEST NUMBER: P506094

CATALOG NUMBER: 14PD-70-PR1-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2209.4	2209.4	2209.4	2209.4	2209.4
2.5°	2214.9	2205.0	2209.4	2209.4	2204.0
5°	2208.3	2199.6	2205.0	2202.9	2199.6
7.5°	2198.5	2189.7	2193.0	2191.9	2190.8
10°	2183.2	2174.4	2178.8	2176.6	2174.4
12.5°	2163.5	2154.7	2159.1	2155.8	2153.6
15°	2140.5	2130.6	2133.9	2130.6	2129.5
17.5°	2112.0	2102.2	2103.3	2098.9	2094.5
20°	2077.0	2068.3	2069.4	2058.4	2054.0
22.5°	2036.5	2027.8	2026.7	2012.4	2007.0
25°	1994.9	1981.8	1977.4	1959.9	1955.5
27.5°	1942.4	1930.4	1923.8	1905.2	1896.5
30°	1886.6	1873.5	1862.5	1841.7	1833.0
32.5°	1823.1	1810.0	1795.8	1773.9	1764.0
35°	1749.8	1737.8	1723.5	1700.6	1688.5
37.5°	1676.5	1663.4	1649.1	1621.8	1611.9
40°	1595.5	1583.5	1568.2	1538.6	1527.7
42.5°	1514.5	1500.3	1481.7	1453.3	1441.2
45°	1429.2	1416.0	1394.2	1364.6	1350.4
47.5°	1339.4	1328.5	1305.5	1273.8	1258.5
50°	1245.3	1236.6	1212.5	1177.5	1163.3
52.5°	1155.6	1143.6	1116.2	1081.2	1065.9
55°	1057.1	1049.4	1015.5	982.7	967.4
57.5°	958.6	948.8	914.8	882.0	867.8
60°	857.9	849.2	813.1	780.2	762.7
62.5°	756.2	746.3	708.0	678.5	662.1
65°	651.1	643.5	605.2	578.9	565.8
67.5°	546.1	540.6	500.1	478.2	468.4
70°	443.2	435.5	403.8	395.0	436.6
72.5°	348.0	338.1	310.8	296.6	285.6
75°	258.3	252.8	248.4	239.7	223.2
77.5°	181.7	180.6	165.2	153.2	165.2
80°	124.8	129.1	111.6	101.8	106.1
82.5°	76.6	85.4	66.8	59.1	56.9
85°	38.3	39.4	32.8	30.6	29.5
87.5°	14.2	16.4	14.2	12.0	12.0
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)