

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: P506096

Luminaire Tested: **14PD-70-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506096
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-L950
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

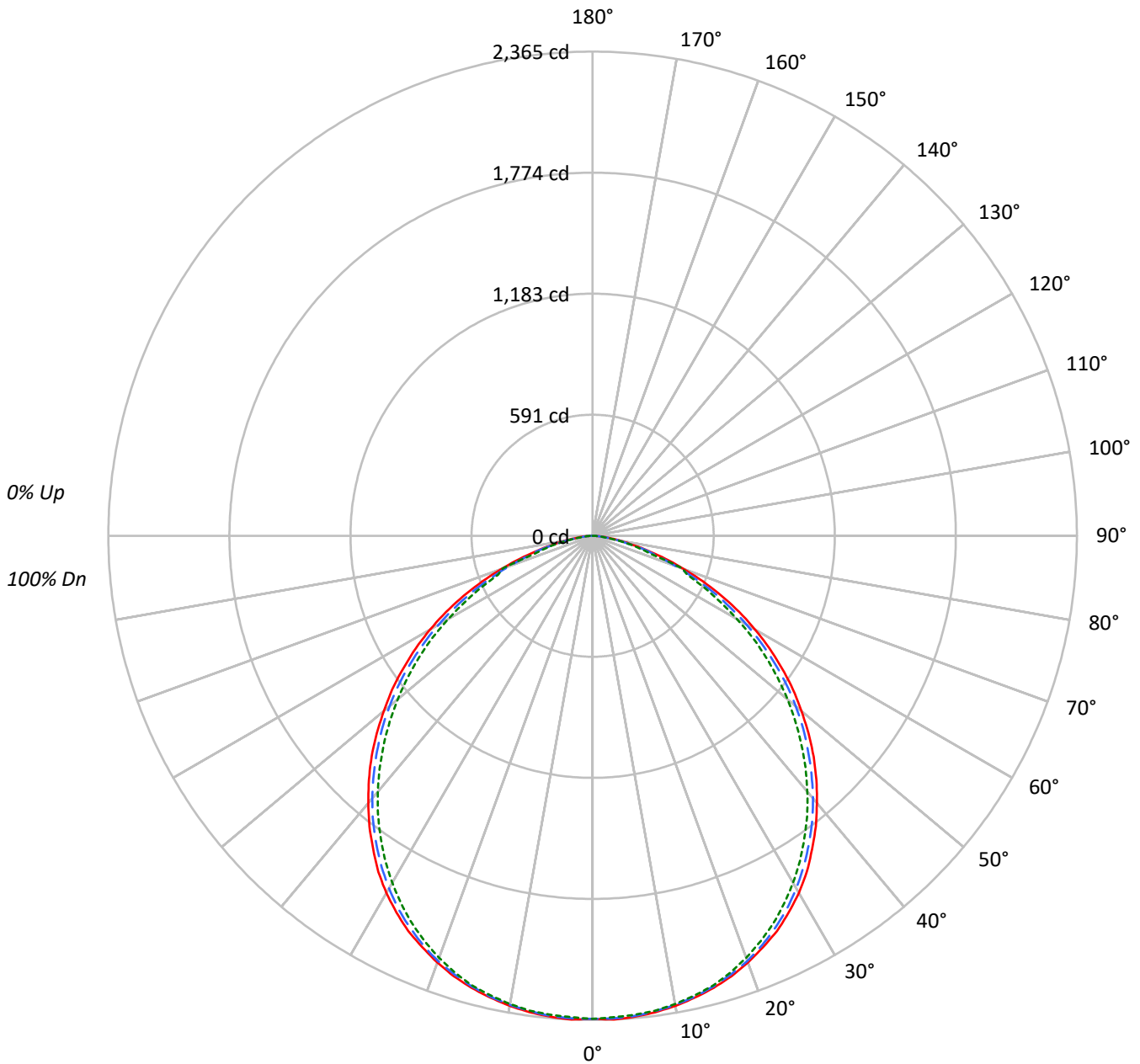
Lumens per Lamp: N/A
Luminaire Lumens: 6072.0 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P506096

CATALOG NUMBER: 14PD-70-PR1-L950

Luminous Intensity Polar Plot





TEST NUMBER: P506096

CATALOG NUMBER: 14PD-70-PR1-L950

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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			100
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86			86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73			73
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62			62
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53			53
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46			46
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41			41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36			36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32			32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29			29
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26			26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6349	6349	6349
5°	6370	6361	6345
10°	6371	6358	6345
15°	6368	6349	6335
20°	6352	6328	6281
25°	6326	6270	6201
30°	6260	6180	6082
35°	6138	6047	5924
40°	5985	5883	5731
45°	5808	5666	5488
50°	5568	5421	5200
55°	5296	5088	4846
60°	4931	4673	4384
65°	4427	4115	3847
70°	3724	3393	3669
75°	2868	2758	2479
80°	2064	1847	1757
85°	1263	1084	976



TEST NUMBER: P506096

CATALOG NUMBER: 14PD-70-PR1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.7	3.7
10°-20°	642.5	10.6
20°-30°	970.5	16.0
30°-40°	1148.2	18.9
40°-50°	1144.8	18.9
50°-60°	967.2	15.9
60°-70°	644.4	10.6
70°-80°	280.0	4.6
80°-90°	50.8	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°	1836.7	30.2
0°-40°	2984.9	49.2
0°-60°	5096.9	83.9
0°-90°	6072.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6072.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2359	2359	2359	2359	2359	
5°	2358	2349	2355	2352	2349	224
15°	2286	2275	2279	2275	2274	645
25°	2130	2116	2112	2093	2088	980
35°	1869	1856	1841	1816	1803	1169
45°	1526	1512	1489	1457	1442	1175
55°	1129	1121	1084	1049	1033	1008
65°	695	687	646	618	604	687
75°	276	270	265	256	238	301
85°	41	42	35	33	32	56
90°	0	0	0	0	0	



TEST NUMBER: P506096

CATALOG NUMBER: 14PD-70-PR1-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2359.4	2359.4	2359.4	2359.4	2359.4
2.5°	2365.3	2354.7	2359.4	2359.4	2353.6
5°	2358.2	2348.9	2354.7	2352.4	2348.9
7.5°	2347.7	2338.4	2341.9	2340.7	2339.5
10°	2331.4	2322.0	2326.7	2324.4	2322.0
12.5°	2310.3	2301.0	2305.7	2302.2	2299.8
15°	2285.8	2275.3	2278.8	2275.3	2274.1
17.5°	2255.4	2244.9	2246.1	2241.4	2236.7
20°	2218.0	2208.7	2209.8	2198.1	2193.5
22.5°	2174.8	2165.4	2164.3	2149.1	2143.2
25°	2130.4	2116.3	2111.7	2093.0	2088.3
27.5°	2074.3	2061.4	2054.4	2034.5	2025.2
30°	2014.7	2000.7	1989.0	1966.8	1957.4
32.5°	1946.9	1932.9	1917.7	1894.3	1883.8
35°	1868.6	1855.7	1840.6	1816.0	1803.2
37.5°	1790.3	1776.3	1761.1	1731.9	1721.4
40°	1703.8	1691.0	1674.6	1643.1	1631.4
42.5°	1617.3	1602.2	1582.3	1551.9	1539.1
45°	1526.2	1512.2	1488.8	1457.3	1442.1
47.5°	1430.4	1418.7	1394.1	1360.3	1343.9
50°	1329.9	1320.5	1294.8	1257.4	1242.2
52.5°	1234.0	1221.2	1192.0	1154.6	1138.2
55°	1128.9	1120.7	1084.5	1049.4	1033.0
57.5°	1023.7	1013.2	977.0	941.9	926.7
60°	916.2	906.8	868.3	833.2	814.5
62.5°	807.5	797.0	756.1	724.5	707.0
65°	695.3	687.1	646.2	618.2	604.2
67.5°	583.1	577.3	534.1	510.7	500.2
70°	473.3	465.1	431.2	421.9	466.3
72.5°	371.6	361.1	331.9	316.7	305.0
75°	275.8	269.9	265.3	255.9	238.4
77.5°	194.0	192.8	176.5	163.6	176.5
80°	133.2	137.9	119.2	108.7	113.4
82.5°	81.8	91.2	71.3	63.1	60.8
85°	40.9	42.1	35.1	32.7	31.6
87.5°	15.2	17.5	15.2	12.9	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)