

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: P506095

Luminaire Tested: **14PD-70-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506095
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-L940
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

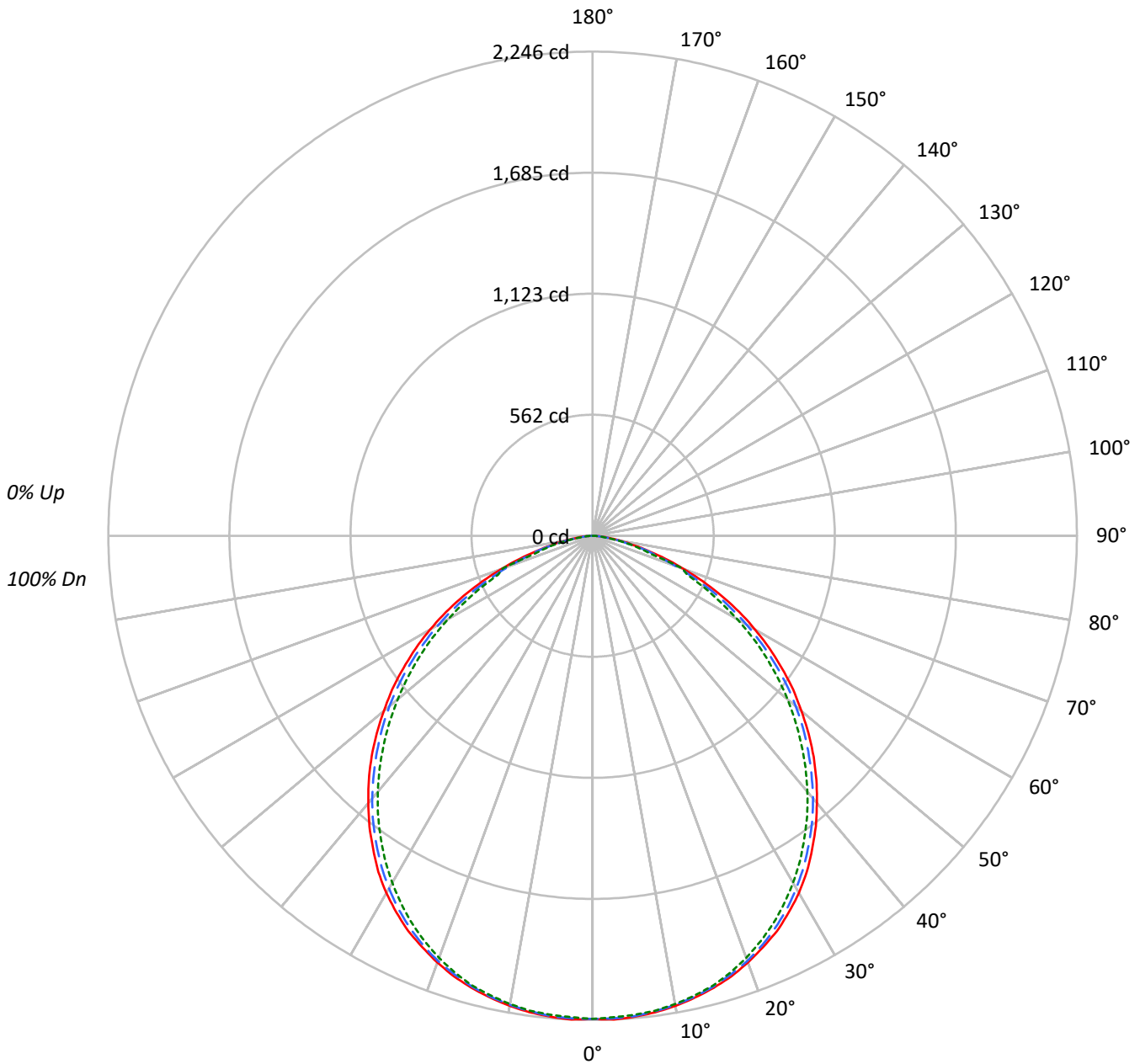
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5767.0 lumens
Efficiency: N/A
Efficacy: 81.0 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: P506095
CATALOG NUMBER: 14PD-70-PR1-L940

Luminous Intensity Polar Plot





TEST NUMBER: P506095

CATALOG NUMBER: 14PD-70-PR1-L940

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°	6030	6030	6030
5°	6050	6041	6026
10°	6051	6038	6026
15°	6048	6030	6017
20°	6033	6010	5966
25°	6008	5955	5889
30°	5946	5870	5777
35°	5830	5743	5626
40°	5684	5587	5443
45°	5516	5381	5212
50°	5288	5148	4939
55°	5030	4832	4603
60°	4683	4439	4163
65°	4205	3908	3654
70°	3537	3223	3485
75°	2723	2619	2354
80°	1960	1754	1669
85°	1198	1028	926



TEST NUMBER: P506095

CATALOG NUMBER: 14PD-70-PR1-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.4	3.7
10°-20°	610.2	10.6
20°-30°	921.8	16.0
30°-40°	1090.5	18.9
40°-50°	1087.3	18.9
50°-60°	918.6	15.9
60°-70°	612.0	10.6
70°-80°	265.9	4.6
80°-90°	48.2	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°	1744.4	30.2
0°-40°	2834.9	49.2
0°-60°	4840.9	83.9
0°-90°	5767.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5767.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2241	2241	2241	2241	2241	
5°	2240	2231	2236	2234	2231	213
15°	2171	2161	2164	2161	2160	613
25°	2023	2010	2006	1988	1983	931
35°	1775	1762	1748	1725	1713	1110
45°	1450	1436	1414	1384	1370	1116
55°	1072	1064	1030	997	981	957
65°	660	653	614	587	574	653
75°	262	256	252	243	226	286
85°	39	40	33	31	30	53
90°	0	0	0	0	0	



TEST NUMBER: P506095

CATALOG NUMBER: 14PD-70-PR1-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2240.9	2240.9	2240.9	2240.9	2240.9
2.5°	2246.4	2236.5	2240.9	2240.9	2235.4
5°	2239.8	2230.9	2236.5	2234.2	2230.9
7.5°	2229.8	2220.9	2224.3	2223.1	2222.0
10°	2214.3	2205.4	2209.8	2207.6	2205.4
12.5°	2194.3	2185.4	2189.8	2186.5	2184.3
15°	2171.0	2161.0	2164.3	2161.0	2159.9
17.5°	2142.1	2132.1	2133.2	2128.8	2124.4
20°	2106.6	2097.7	2098.8	2087.7	2083.3
22.5°	2065.5	2056.7	2055.5	2041.1	2035.6
25°	2023.4	2010.0	2005.6	1987.8	1983.4
27.5°	1970.1	1957.9	1951.2	1932.3	1923.5
30°	1913.5	1900.2	1889.1	1868.0	1859.1
32.5°	1849.1	1835.8	1821.4	1799.2	1789.2
35°	1774.7	1762.5	1748.1	1724.8	1712.6
37.5°	1700.4	1687.1	1672.6	1644.9	1634.9
40°	1618.2	1606.0	1590.5	1560.5	1549.4
42.5°	1536.1	1521.7	1502.8	1474.0	1461.7
45°	1449.5	1436.2	1414.0	1384.1	1369.6
47.5°	1358.5	1347.4	1324.1	1291.9	1276.4
50°	1263.1	1254.2	1229.8	1194.3	1179.8
52.5°	1172.1	1159.9	1132.1	1096.6	1081.0
55°	1072.2	1064.4	1030.0	996.7	981.2
57.5°	972.3	962.3	927.9	894.6	880.2
60°	870.2	861.3	824.7	791.4	773.6
62.5°	766.9	757.0	718.1	688.1	671.5
65°	660.4	652.6	613.8	587.1	573.8
67.5°	553.8	548.3	507.2	485.0	475.0
70°	449.5	441.7	409.6	400.7	442.9
72.5°	353.0	343.0	315.2	300.8	289.7
75°	261.9	256.4	251.9	243.1	226.4
77.5°	184.2	183.1	167.6	155.4	167.6
80°	126.5	131.0	113.2	103.2	107.7
82.5°	77.7	86.6	67.7	59.9	57.7
85°	38.8	40.0	33.3	31.1	30.0
87.5°	14.4	16.6	14.4	12.2	12.2
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)