

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: P506093

Luminaire Tested: **14PD-70-PR1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506093
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-L930
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

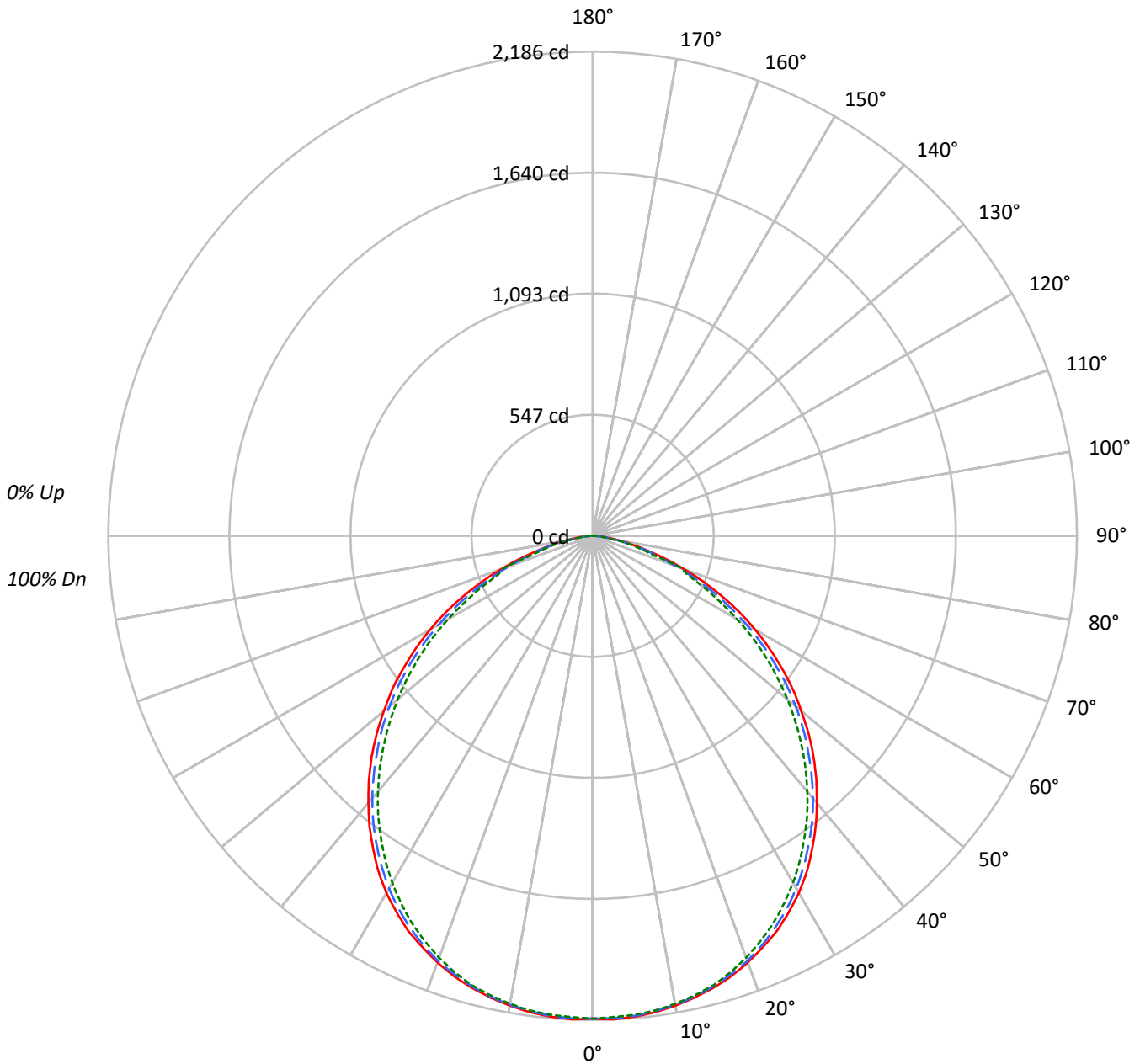
Lumens per Lamp: N/A
Luminaire Lumens: 5611.0 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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°	5867	5867	5867
5°	5887	5878	5863
10°	5887	5875	5863
15°	5884	5867	5855
20°	5869	5848	5804
25°	5845	5794	5730
30°	5785	5711	5620
35°	5672	5587	5474
40°	5531	5436	5296
45°	5367	5236	5071
50°	5145	5009	4806
55°	4894	4701	4479
60°	4556	4318	4051
65°	4091	3803	3555
70°	3441	3135	3390
75°	2650	2548	2290
80°	1908	1706	1623
85°	1167	1000	902



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.7	3.7
10°-20°	593.7	10.6
20°-30°	896.8	16.0
30°-40°	1061.0	18.9
40°-50°	1057.9	18.9
50°-60°	893.7	15.9
60°-70°	595.5	10.6
70°-80°	258.7	4.6
80°-90°	46.9	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°	1697.2	30.2
0°-40°	2758.3	49.2
0°-60°	4709.9	83.9
0°-90°	5611.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5611.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2180	2180	2180	2180	2180	
5°	2179	2171	2176	2174	2171	207
15°	2112	2102	2106	2102	2102	596
25°	1969	1956	1951	1934	1930	906
35°	1727	1715	1701	1678	1666	1080
45°	1410	1397	1376	1347	1333	1086
55°	1043	1036	1002	970	955	931
65°	642	635	597	571	558	635
75°	255	250	245	236	220	279
85°	38	39	32	30	29	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2180.3	2180.3	2180.3	2180.3	2180.3
2.5°	2185.7	2176.0	2180.3	2180.3	2174.9
5°	2179.2	2170.6	2176.0	2173.8	2170.6
7.5°	2169.5	2160.8	2164.1	2163.0	2161.9
10°	2154.4	2145.7	2150.0	2147.9	2145.7
12.5°	2134.9	2126.3	2130.6	2127.4	2125.2
15°	2112.2	2102.5	2105.8	2102.5	2101.5
17.5°	2084.2	2074.5	2075.5	2071.2	2066.9
20°	2049.6	2041.0	2042.1	2031.3	2026.9
22.5°	2009.7	2001.0	1999.9	1985.9	1980.5
25°	1968.6	1955.7	1951.3	1934.1	1929.7
27.5°	1916.8	1904.9	1898.4	1880.1	1871.4
30°	1861.7	1848.8	1838.0	1817.4	1808.8
32.5°	1799.1	1786.1	1772.1	1750.5	1740.8
35°	1726.7	1714.9	1700.8	1678.1	1666.3
37.5°	1654.4	1641.4	1627.4	1600.4	1590.7
40°	1574.5	1562.6	1547.5	1518.3	1507.5
42.5°	1494.6	1480.5	1462.2	1434.1	1422.2
45°	1410.3	1397.4	1375.8	1346.6	1332.6
47.5°	1321.8	1311.0	1288.3	1257.0	1241.9
50°	1228.9	1220.3	1196.5	1162.0	1147.9
52.5°	1140.4	1128.5	1101.5	1066.9	1051.8
55°	1043.2	1035.6	1002.1	969.7	954.6
57.5°	946.0	936.3	902.8	870.4	856.3
60°	846.6	838.0	802.4	770.0	752.7
62.5°	746.2	736.5	698.7	669.5	653.3
65°	642.5	635.0	597.2	571.3	558.3
67.5°	538.9	533.5	493.5	471.9	462.2
70°	437.4	429.8	398.5	389.8	430.9
72.5°	343.4	333.7	306.7	292.6	281.8
75°	254.9	249.5	245.1	236.5	220.3
77.5°	179.3	178.2	163.1	151.2	163.1
80°	123.1	127.4	110.1	100.4	104.7
82.5°	75.6	84.2	65.9	58.3	56.2
85°	37.8	38.9	32.4	30.2	29.2
87.5°	14.0	16.2	14.0	11.9	11.9
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)