

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: P506085

Luminaire Tested: **14PD-70-PL1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-70-PL1-L935
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

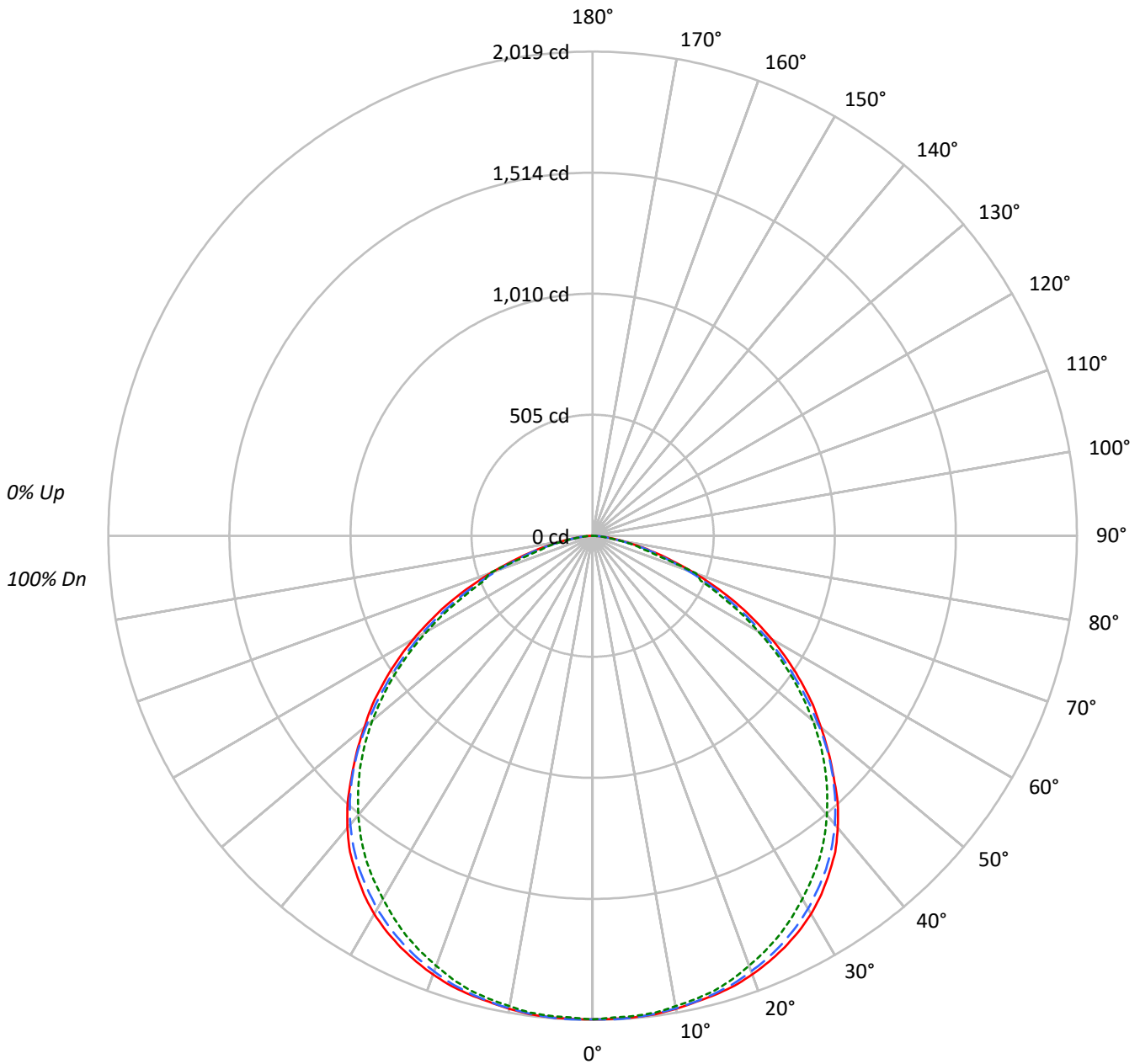
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5604.4 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
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	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5426	5426	5426
5°	5444	5447	5429
10°	5474	5468	5443
15°	5519	5504	5470
20°	5575	5537	5464
25°	5622	5566	5461
30°	5660	5581	5433
35°	5646	5573	5413
40°	5586	5520	5337
45°	5407	5390	5217
50°	5201	5155	5016
55°	4977	4831	4723
60°	4648	4440	4291
65°	4188	3927	3716
70°	3503	3285	3607
75°	2764	2660	2303
80°	1991	1768	1802
85°	1266	1059	991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.7	3.4
10°-20°	557.3	9.9
20°-30°	861.6	15.4
30°-40°	1054.6	18.8
40°-50°	1081.1	19.3
50°-60°	920.8	16.4
60°-70°	615.3	11.0
70°-80°	272.7	4.9
80°-90°	49.3	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°	1610.6	28.7
0°-40°	2665.2	47.6
0°-60°	4667.1	83.3
0°-90°	5604.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5604.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2016	2016	2016	2016	2016	
5°	2015	2011	2016	2015	2010	192
15°	1981	1974	1976	1970	1963	560
25°	1894	1887	1875	1850	1839	873
35°	1719	1714	1696	1659	1648	1075
45°	1421	1425	1416	1384	1371	1097
55°	1061	1055	1030	1009	1007	946
65°	658	652	617	589	584	648
75°	266	269	256	257	222	288
85°	41	40	34	33	32	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2016.5	2016.5	2016.5	2016.5	2016.5
2.5°	2016.5	2013.1	2018.7	2020.9	2010.9
5°	2015.4	2010.9	2016.5	2015.4	2009.8
7.5°	2012.0	2004.3	2009.8	2007.6	2005.4
10°	2003.2	1996.5	2001.0	1997.6	1992.1
12.5°	1991.0	1986.6	1989.9	1986.6	1978.8
15°	1981.0	1974.4	1975.5	1970.0	1963.3
17.5°	1967.7	1957.8	1957.8	1946.7	1939.0
20°	1946.7	1937.8	1933.4	1917.9	1907.9
22.5°	1922.3	1915.7	1906.8	1886.9	1875.8
25°	1893.6	1886.9	1874.7	1850.4	1839.3
27.5°	1860.3	1851.5	1838.2	1809.4	1796.1
30°	1821.6	1810.5	1796.1	1764.0	1748.5
32.5°	1774.0	1766.2	1747.4	1714.2	1699.8
35°	1718.6	1714.2	1696.4	1658.8	1647.7
37.5°	1662.1	1653.3	1637.8	1597.9	1586.8
40°	1590.1	1584.6	1571.3	1532.6	1519.3
42.5°	1512.6	1509.3	1498.2	1461.7	1447.3
45°	1420.7	1425.1	1416.3	1384.2	1370.9
47.5°	1333.2	1331.0	1327.7	1298.9	1287.8
50°	1242.4	1238.0	1231.4	1208.1	1198.1
52.5°	1157.2	1148.3	1130.6	1110.7	1104.0
55°	1060.8	1055.3	1029.8	1008.8	1006.6
57.5°	963.4	960.1	929.1	904.7	904.7
60°	863.7	859.3	825.0	799.5	797.3
62.5°	759.6	756.3	720.9	692.1	693.2
65°	657.8	652.2	616.8	589.1	583.6
67.5°	551.5	549.2	514.9	489.4	487.2
70°	445.2	445.2	417.5	395.3	458.4
72.5°	351.0	347.7	325.6	315.6	301.2
75°	265.8	269.1	255.8	256.9	221.5
77.5°	189.4	183.8	178.3	166.1	176.1
80°	128.5	125.1	114.1	110.7	116.3
82.5°	79.7	80.8	70.9	64.2	63.1
85°	41.0	39.9	34.3	33.2	32.1
87.5°	15.5	16.6	14.4	13.3	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)