

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: P506137

Luminaire Tested: **14PD-80-PL1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506137
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-80-PL1-L927
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

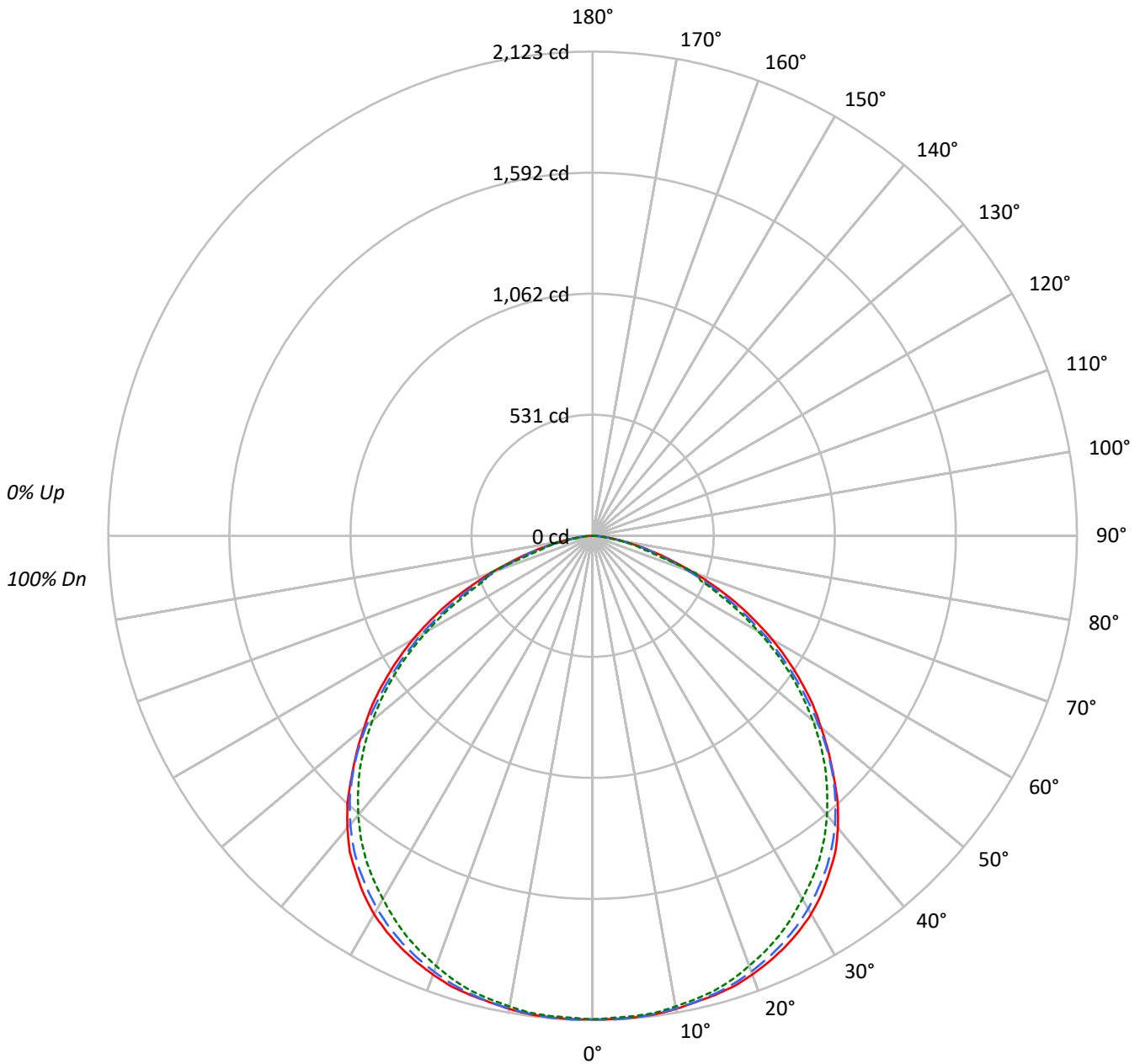
Lumens per Lamp: N/A
Luminaire Lumens: 5894.7 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 84.4
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: P506137

CATALOG NUMBER: 14PD-80-PL1-L927

Luminous Intensity Polar Plot





TEST NUMBER: P506137

CATALOG NUMBER: 14PD-80-PL1-L927

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			
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°	5707	5707	5707
5°	5726	5729	5710
10°	5757	5751	5725
15°	5805	5789	5753
20°	5863	5824	5747
25°	5913	5855	5744
30°	5953	5870	5714
35°	5938	5862	5693
40°	5875	5806	5613
45°	5687	5669	5487
50°	5471	5422	5276
55°	5235	5082	4967
60°	4890	4670	4513
65°	4405	4131	3908
70°	3684	3455	3794
75°	2906	2797	2421
80°	2094	1860	1895
85°	1331	1115	1044



TEST NUMBER: P506137
 CATALOG NUMBER: 14PD-80-PL1-L927

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.7	3.4
10°-20°	586.1	9.9
20°-30°	906.3	15.4
30°-40°	1109.2	18.8
40°-50°	1137.1	19.3
50°-60°	968.5	16.4
60°-70°	647.2	11.0
70°-80°	286.8	4.9
80°-90°	51.9	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°	1694.1	28.7
0°-40°	2803.2	47.6
0°-60°	4908.8	83.3
0°-90°	5894.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5894.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2121	2121	2121	2121	2121	
5°	2120	2115	2121	2120	2114	202
15°	2084	2077	2078	2072	2065	589
25°	1992	1985	1972	1946	1935	918
35°	1808	1803	1784	1745	1733	1130
45°	1494	1499	1490	1456	1442	1153
55°	1116	1110	1083	1061	1059	996
65°	692	686	649	620	614	682
75°	280	283	269	270	233	303
85°	43	42	36	35	34	57
90°	0	0	0	0	0	



TEST NUMBER: P506137

CATALOG NUMBER: 14PD-80-PL1-L927

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2120.9	2120.9	2120.9	2120.9	2120.9
2.5°	2120.9	2117.4	2123.2	2125.6	2115.1
5°	2119.7	2115.1	2120.9	2119.7	2113.9
7.5°	2116.2	2108.1	2113.9	2111.6	2109.3
10°	2106.9	2099.9	2104.6	2101.1	2095.3
12.5°	2094.1	2089.5	2093.0	2089.5	2081.3
15°	2083.6	2076.6	2077.8	2072.0	2065.0
17.5°	2069.7	2059.2	2059.2	2047.5	2039.4
20°	2047.5	2038.2	2033.6	2017.2	2006.8
22.5°	2021.9	2014.9	2005.6	1984.6	1973.0
25°	1991.6	1984.6	1971.8	1946.2	1934.6
27.5°	1956.7	1947.4	1933.4	1903.1	1889.1
30°	1915.9	1904.3	1889.1	1855.4	1839.0
32.5°	1865.8	1857.7	1837.9	1802.9	1787.8
35°	1807.6	1802.9	1784.3	1744.7	1733.1
37.5°	1748.2	1738.9	1722.6	1680.7	1669.0
40°	1672.5	1666.7	1652.7	1611.9	1598.0
42.5°	1591.0	1587.5	1575.8	1537.4	1522.3
45°	1494.3	1499.0	1489.6	1455.9	1441.9
47.5°	1402.3	1400.0	1396.5	1366.2	1354.5
50°	1306.8	1302.1	1295.1	1270.7	1260.2
52.5°	1217.1	1207.8	1189.2	1168.2	1161.2
55°	1115.8	1110.0	1083.2	1061.0	1058.7
57.5°	1013.3	1009.8	977.2	951.6	951.6
60°	908.5	903.8	867.7	840.9	838.6
62.5°	799.0	795.5	758.2	727.9	729.1
65°	691.8	686.0	648.7	619.6	613.8
67.5°	580.0	577.7	541.6	514.8	512.5
70°	468.2	468.2	439.1	415.8	482.2
72.5°	369.2	365.7	342.4	331.9	316.8
75°	279.5	283.0	269.0	270.2	232.9
77.5°	199.2	193.3	187.5	174.7	185.2
80°	135.1	131.6	120.0	116.5	122.3
82.5°	83.9	85.0	74.5	67.6	66.4
85°	43.1	41.9	36.1	34.9	33.8
87.5°	16.3	17.5	15.1	14.0	12.8
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)