

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: P506155

Luminaire Tested: **14PD-80-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-80-PW1-L927
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

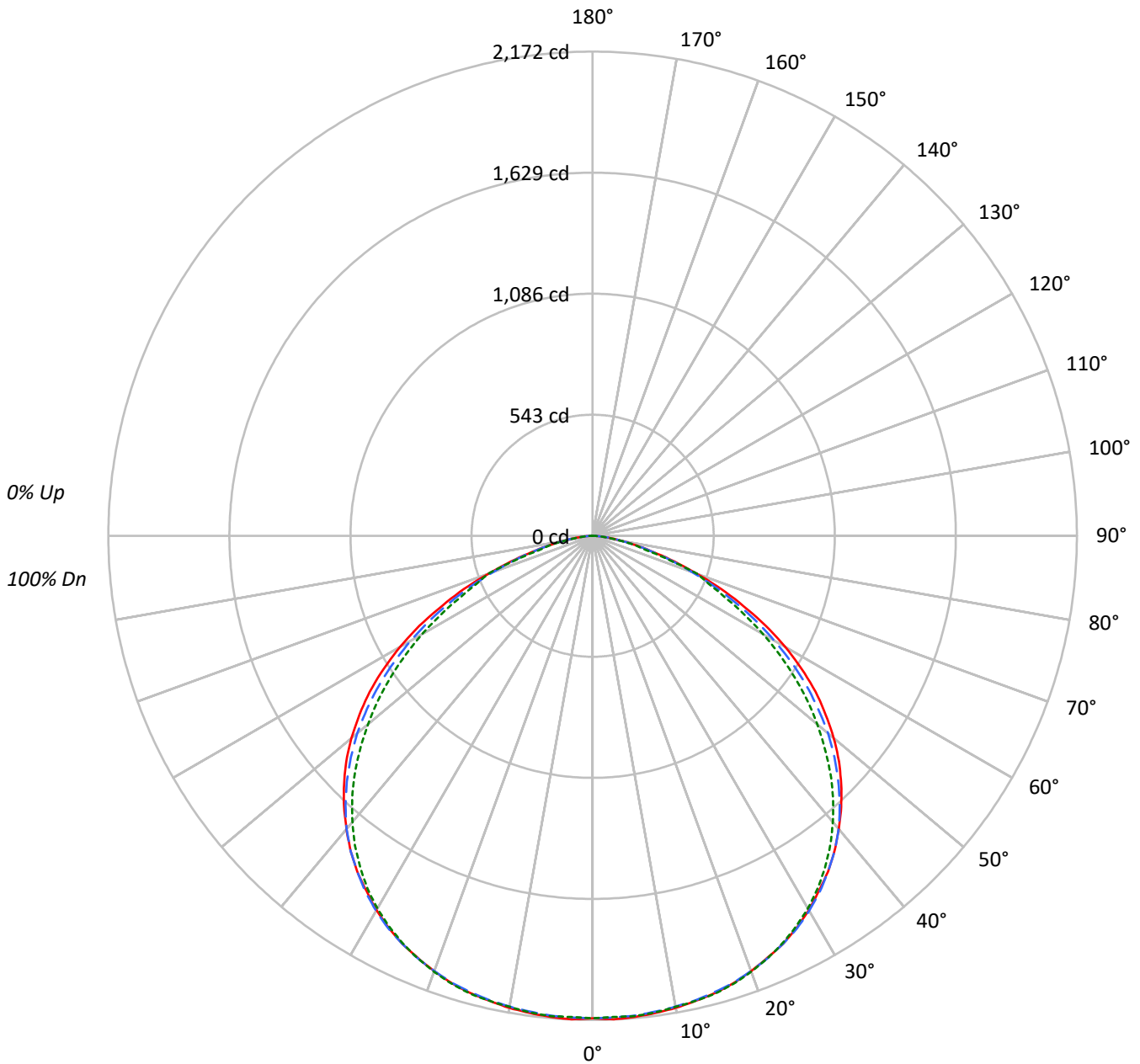
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6163.5 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
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

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Luminous Intensity Polar Plot





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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	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72			72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61			61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52			52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45			45
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39			39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35			35
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31			31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28			28
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5824	5824	5824
5°	5853	5836	5843
10°	5877	5860	5863
15°	5917	5903	5923
20°	5952	5949	5959
25°	5997	5997	5986
30°	6025	6037	5999
35°	6045	6045	5968
40°	6034	6029	5887
45°	6001	5931	5740
50°	5910	5767	5506
55°	5728	5487	5188
60°	5366	5070	4754
65°	4752	4479	4183
70°	3879	3706	3908
75°	2926	2875	2582
80°	2104	1971	1971
85°	1321	1247	1096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.8	3.3
10°-20°	599.1	9.7
20°-30°	930.0	15.1
30°-40°	1145.4	18.6
40°-50°	1192.5	19.3
50°-60°	1037.1	16.8
60°-70°	696.7	11.3
70°-80°	301.6	4.9
80°-90°	55.4	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°	1734.8	28.1
0°-40°	2880.3	46.7
0°-60°	5109.8	82.9
0°-90°	6163.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6163.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2164	2164	2164	2164	2164	
5°	2167	2153	2160	2165	2163	206
15°	2124	2109	2119	2126	2126	600
25°	2020	2010	2020	2020	2016	931
35°	1840	1835	1840	1824	1817	1150
45°	1577	1572	1559	1523	1508	1215
55°	1221	1199	1170	1123	1106	1085
65°	746	733	703	670	657	739
75°	281	284	276	283	248	310
85°	43	44	40	36	36	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2164.2	2164.2	2164.2	2164.2	2164.2
2.5°	2171.5	2158.0	2162.9	2170.3	2160.5
5°	2166.6	2153.2	2160.5	2165.4	2162.9
7.5°	2159.3	2149.5	2153.2	2158.0	2156.8
10°	2150.7	2140.9	2144.6	2149.5	2145.8
12.5°	2137.2	2126.2	2133.6	2138.5	2137.2
15°	2123.8	2109.1	2118.9	2126.2	2126.2
17.5°	2104.2	2092.0	2101.8	2107.9	2106.7
20°	2078.5	2070.0	2077.3	2082.2	2081.0
22.5°	2049.2	2043.0	2051.6	2051.6	2051.6
25°	2019.8	2010.0	2019.8	2019.8	2016.1
27.5°	1981.9	1973.3	1985.6	1981.9	1975.8
30°	1939.1	1934.2	1942.7	1936.6	1930.5
32.5°	1888.9	1886.5	1895.0	1882.8	1877.9
35°	1840.0	1835.1	1840.0	1824.1	1816.7
37.5°	1782.5	1777.6	1782.5	1761.7	1750.7
40°	1717.6	1714.0	1716.4	1689.5	1676.0
42.5°	1650.3	1646.7	1640.6	1607.5	1596.5
45°	1576.9	1572.0	1558.6	1523.1	1508.4
47.5°	1498.6	1490.1	1470.5	1432.6	1413.0
50°	1411.8	1399.6	1377.5	1335.9	1315.1
52.5°	1317.6	1302.9	1274.8	1233.2	1213.6
55°	1220.9	1198.9	1169.6	1123.1	1105.9
57.5°	1110.8	1087.6	1057.0	1014.2	994.6
60°	997.1	973.8	942.0	902.9	883.3
62.5°	875.9	855.1	823.3	786.6	769.5
65°	746.3	732.8	703.4	670.4	657.0
67.5°	623.9	610.5	586.0	557.9	562.8
70°	493.0	491.8	471.0	451.4	496.7
72.5°	384.1	381.7	370.7	360.9	358.5
75°	281.4	283.8	276.5	282.6	248.3
77.5°	198.2	200.6	199.4	182.3	190.8
80°	135.8	135.8	127.2	121.1	127.2
82.5°	82.0	97.9	88.1	72.2	69.7
85°	42.8	44.0	40.4	35.5	35.5
87.5°	15.9	18.4	15.9	14.7	13.5
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)