

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: P506140

Luminaire Tested: **14PD-80-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506140
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-L940
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

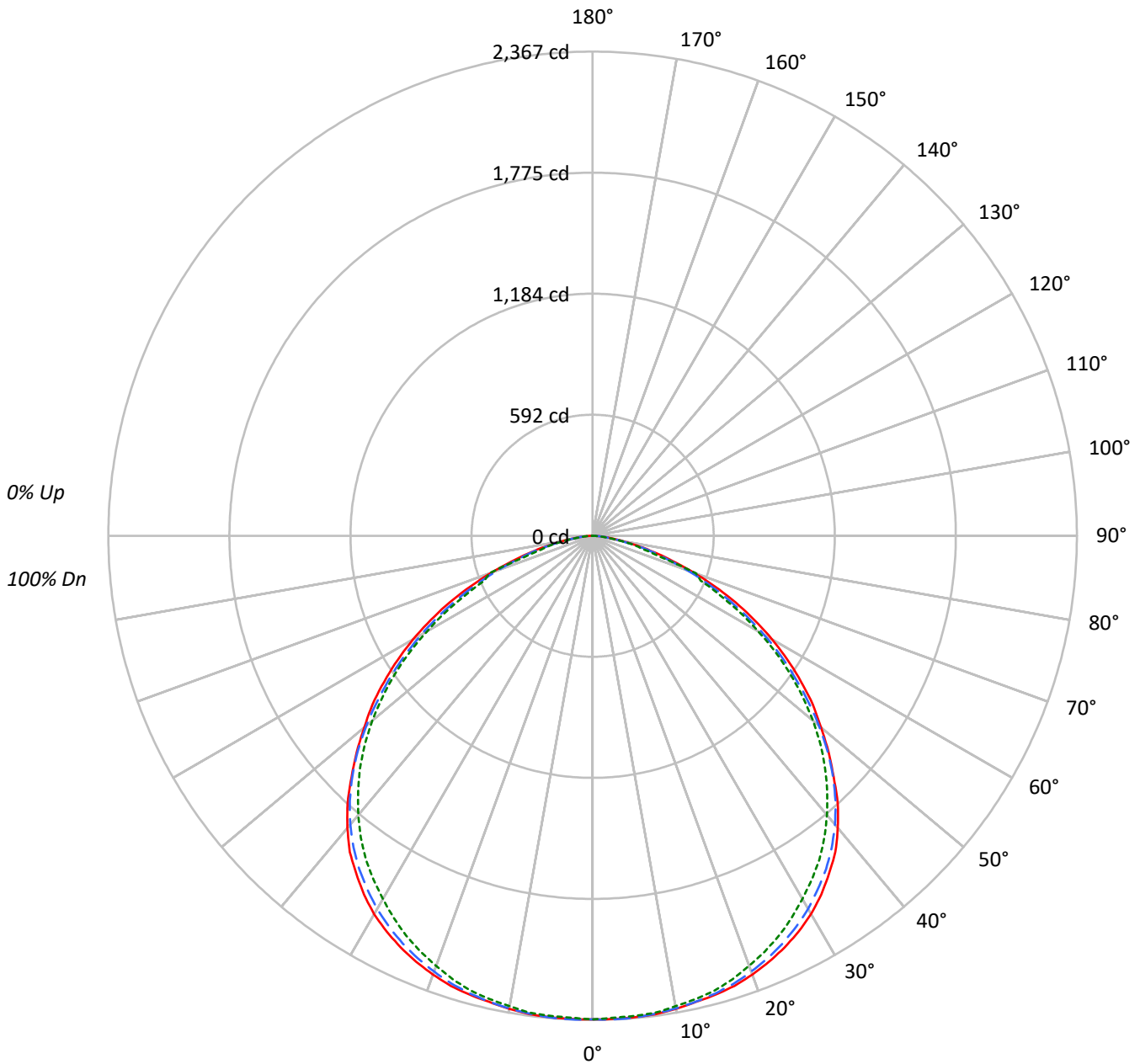
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6571.3 lumens
Efficiency: N/A
Efficacy: 77.9 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

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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°	6363	6363	6363
5°	6383	6387	6366
10°	6418	6411	6383
15°	6471	6453	6413
20°	6537	6492	6406
25°	6592	6527	6403
30°	6637	6544	6371
35°	6620	6534	6347
40°	6550	6472	6258
45°	6339	6320	6117
50°	6099	6044	5882
55°	5836	5665	5537
60°	5450	5206	5031
65°	4911	4605	4357
70°	4107	3851	4229
75°	3240	3118	2700
80°	2334	2072	2112
85°	1482	1241	1164



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.8	3.4
10°-20°	653.4	9.9
20°-30°	1010.3	15.4
30°-40°	1236.5	18.8
40°-50°	1267.6	19.3
50°-60°	1079.6	16.4
60°-70°	721.4	11.0
70°-80°	319.7	4.9
80°-90°	57.8	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°	1888.5	28.7
0°-40°	3125.0	47.6
0°-60°	5472.3	83.3
0°-90°	6571.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6571.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2364	2364	2364	2364	2364	
5°	2363	2358	2364	2363	2357	225
15°	2323	2315	2316	2310	2302	657
25°	2220	2212	2198	2170	2157	1024
35°	2015	2010	1989	1945	1932	1260
45°	1666	1671	1661	1623	1607	1286
55°	1244	1237	1208	1183	1180	1110
65°	771	765	723	691	684	760
75°	312	316	300	301	260	337
85°	48	47	40	39	38	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2364.4	2364.4	2364.4	2364.4	2364.4
2.5°	2364.4	2360.5	2367.0	2369.6	2357.9
5°	2363.1	2357.9	2364.4	2363.1	2356.6
7.5°	2359.2	2350.1	2356.6	2354.0	2351.4
10°	2348.8	2341.0	2346.2	2342.3	2335.8
12.5°	2334.5	2329.3	2333.2	2329.3	2320.2
15°	2322.8	2315.0	2316.3	2309.8	2302.0
17.5°	2307.2	2295.5	2295.5	2282.6	2273.5
20°	2282.6	2272.2	2267.0	2248.8	2237.1
22.5°	2254.0	2246.2	2235.8	2212.4	2199.5
25°	2220.2	2212.4	2198.2	2169.6	2156.6
27.5°	2181.3	2170.9	2155.3	2121.6	2106.0
30°	2135.8	2122.9	2106.0	2068.3	2050.2
32.5°	2080.0	2070.9	2048.9	2009.9	1993.0
35°	2015.1	2009.9	1989.1	1945.0	1932.0
37.5°	1948.9	1938.5	1920.3	1873.6	1860.6
40°	1864.5	1858.0	1842.4	1797.0	1781.4
42.5°	1773.6	1769.7	1756.7	1713.9	1697.0
45°	1665.8	1671.0	1660.6	1623.0	1607.4
47.5°	1563.3	1560.7	1556.8	1523.0	1510.0
50°	1456.8	1451.6	1443.8	1416.5	1404.9
52.5°	1356.8	1346.4	1325.7	1302.3	1294.5
55°	1243.9	1237.4	1207.5	1182.8	1180.2
57.5°	1129.6	1125.7	1089.3	1060.8	1060.8
60°	1012.7	1007.5	967.3	937.4	934.8
62.5°	890.7	886.8	845.2	811.5	812.8
65°	771.2	764.7	723.2	690.7	684.2
67.5°	646.6	644.0	603.7	573.9	571.3
70°	522.0	522.0	489.5	463.5	537.5
72.5°	411.6	407.7	381.7	370.0	353.2
75°	311.6	315.5	299.9	301.2	259.7
77.5°	222.0	215.5	209.0	194.8	206.4
80°	150.6	146.7	133.7	129.8	136.3
82.5°	93.5	94.8	83.1	75.3	74.0
85°	48.0	46.7	40.2	39.0	37.7
87.5°	18.2	19.5	16.9	15.6	14.3
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)