

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: P506157

Luminaire Tested: **14PD-80-PW1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506157
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-L935
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

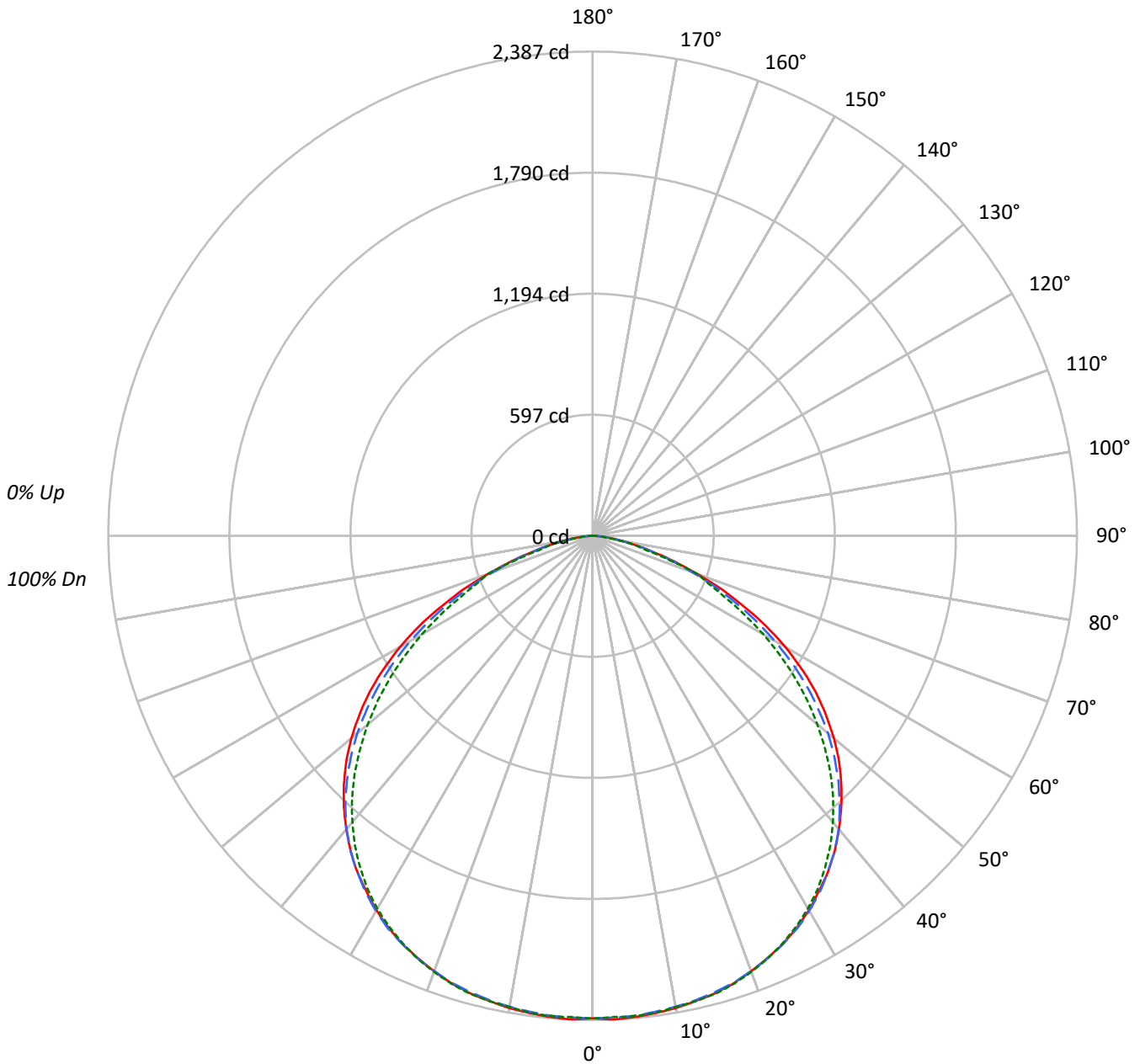
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6775.5 lumens
Efficiency: N/A
Efficacy: 80.3 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									
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	97	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	77	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6402	6402	6402
5°	6434	6415	6423
10°	6460	6442	6446
15°	6504	6489	6512
20°	6543	6539	6551
25°	6593	6593	6581
30°	6623	6636	6594
35°	6645	6645	6561
40°	6633	6628	6472
45°	6597	6521	6310
50°	6497	6339	6052
55°	6297	6032	5704
60°	5899	5573	5226
65°	5224	4924	4599
70°	4264	4074	4296
75°	3216	3160	2838
80°	2314	2168	2168
85°	1454	1371	1204



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.2	3.3
10°-20°	658.6	9.7
20°-30°	1022.3	15.1
30°-40°	1259.2	18.6
40°-50°	1310.9	19.3
50°-60°	1140.0	16.8
60°-70°	765.9	11.3
70°-80°	331.5	4.9
80°-90°	60.9	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°	1907.1	28.1
0°-40°	3166.3	46.7
0°-60°	5617.2	82.9
0°-90°	6775.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6775.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2379	2379	2379	2379	2379	
5°	2382	2367	2375	2380	2378	227
15°	2335	2318	2329	2337	2337	660
25°	2220	2210	2220	2220	2216	1023
35°	2023	2017	2023	2005	1997	1264
45°	1734	1728	1713	1674	1658	1335
55°	1342	1318	1286	1235	1216	1193
65°	820	806	773	737	722	812
75°	309	312	304	311	273	341
85°	47	48	44	39	39	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2379.1	2379.1	2379.1	2379.1	2379.1
2.5°	2387.1	2372.3	2377.7	2385.8	2375.0
5°	2381.8	2367.0	2375.0	2380.4	2377.7
7.5°	2373.7	2362.9	2367.0	2372.3	2371.0
10°	2364.3	2353.5	2357.5	2362.9	2358.9
12.5°	2349.5	2337.4	2345.4	2350.8	2349.5
15°	2334.7	2318.5	2329.3	2337.4	2337.4
17.5°	2313.2	2299.7	2310.5	2317.2	2315.9
20°	2284.9	2275.5	2283.6	2289.0	2287.6
22.5°	2252.6	2245.9	2255.3	2255.3	2255.3
25°	2220.4	2209.6	2220.4	2220.4	2216.3
27.5°	2178.7	2169.3	2182.7	2178.7	2172.0
30°	2131.6	2126.2	2135.6	2128.9	2122.2
32.5°	2076.5	2073.8	2083.2	2069.7	2064.4
35°	2022.7	2017.3	2022.7	2005.2	1997.1
37.5°	1959.5	1954.1	1959.5	1936.6	1924.5
40°	1888.2	1884.2	1886.8	1857.3	1842.5
42.5°	1814.2	1810.2	1803.5	1767.2	1755.0
45°	1733.5	1728.1	1713.4	1674.4	1658.2
47.5°	1647.5	1638.0	1616.5	1574.8	1553.3
50°	1552.0	1538.5	1514.3	1468.6	1445.7
52.5°	1448.4	1432.3	1401.3	1355.6	1334.1
55°	1342.2	1318.0	1285.7	1234.6	1215.8
57.5°	1221.1	1195.6	1162.0	1114.9	1093.4
60°	1096.1	1070.5	1035.5	992.5	971.0
62.5°	962.9	940.1	905.1	864.7	845.9
65°	820.4	805.6	773.3	737.0	722.2
67.5°	685.9	671.1	644.2	613.3	618.6
70°	542.0	540.6	517.8	496.3	546.0
72.5°	422.3	419.6	407.5	396.7	394.0
75°	309.3	312.0	303.9	310.7	273.0
77.5°	217.9	220.6	219.2	200.4	209.8
80°	149.3	149.3	139.9	133.1	139.9
82.5°	90.1	107.6	96.8	79.3	76.7
85°	47.1	48.4	44.4	39.0	39.0
87.5°	17.5	20.2	17.5	16.1	14.8
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)