

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: P506509

Luminaire Tested: **22PD-80-PW1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-80-PW1-L940
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

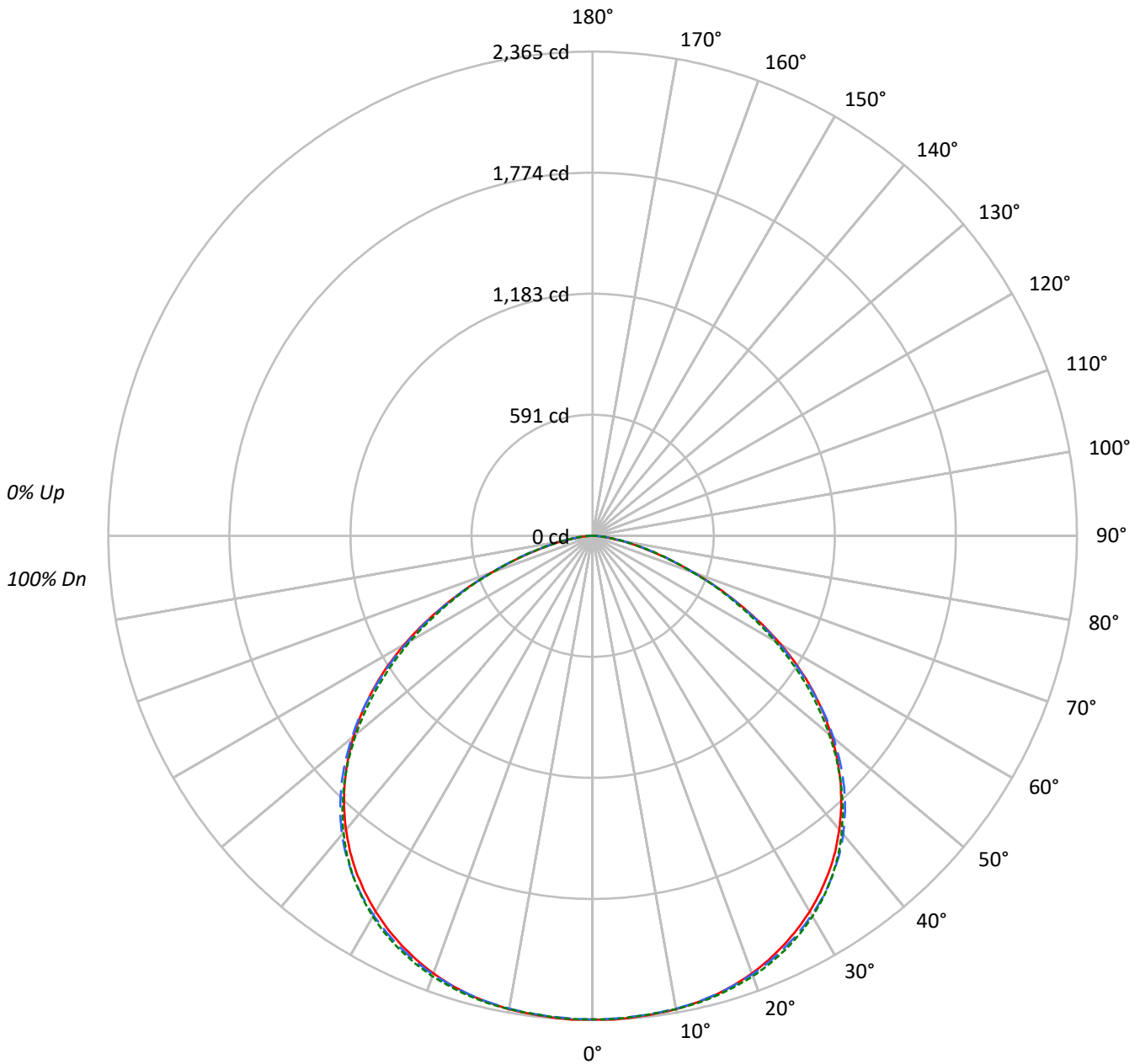
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6829.8 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 73.4
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28																			
10	53	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°	6358	6358	6358
5°	6376	6366	6369
10°	6417	6408	6415
15°	6467	6465	6484
20°	6515	6529	6556
25°	6554	6592	6622
30°	6586	6649	6673
35°	6602	6688	6691
40°	6582	6689	6650
45°	6517	6610	6530
50°	6384	6430	6314
55°	6137	6109	5994
60°	5713	5649	5531
65°	5038	4989	4893
70°	4126	4146	4059
75°	3125	3231	3204
80°	2264	2356	2317
85°	1485	1538	1643



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.7	3.3
10°-20°	656.2	9.6
20°-30°	1023.0	15.0
30°-40°	1268.0	18.6
40°-50°	1326.8	19.4
50°-60°	1156.2	16.9
60°-70°	774.5	11.3
70°-80°	335.7	4.9
80°-90°	64.6	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°	1903.9	27.9
0°-40°	3171.9	46.4
0°-60°	5654.9	82.8
0°-90°	6829.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6829.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2363	2363	2363	2363	2363	
5°	2360	2358	2357	2356	2358	225
15°	2321	2318	2320	2323	2327	656
25°	2207	2208	2220	2227	2230	1018
35°	2010	2017	2036	2038	2037	1256
45°	1712	1722	1737	1723	1716	1319
55°	1308	1307	1302	1288	1278	1165
65°	791	787	784	776	768	783
75°	301	306	311	308	308	331
85°	48	52	50	51	53	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2362.7	2362.7	2362.7	2362.7	2362.7
2.5°	2365.3	2361.0	2360.2	2360.2	2362.7
5°	2360.2	2357.7	2356.8	2356.0	2357.7
7.5°	2355.1	2351.7	2352.6	2350.9	2352.6
10°	2348.4	2345.0	2345.0	2345.0	2347.5
12.5°	2336.5	2334.0	2334.9	2336.5	2339.9
15°	2321.3	2318.0	2320.5	2323.0	2327.3
17.5°	2300.2	2297.7	2301.9	2306.1	2309.5
20°	2274.9	2272.4	2280.0	2285.9	2289.3
22.5°	2243.7	2242.8	2252.9	2259.7	2262.2
25°	2207.3	2208.2	2220.0	2226.8	2230.1
27.5°	2166.0	2167.7	2182.9	2188.8	2192.1
30°	2119.5	2123.7	2139.8	2144.9	2147.4
32.5°	2067.2	2073.1	2092.5	2095.9	2095.9
35°	2009.7	2017.3	2035.9	2038.5	2036.8
37.5°	1945.6	1954.0	1975.1	1971.7	1969.2
40°	1873.8	1883.1	1904.2	1897.4	1893.2
42.5°	1797.0	1806.2	1824.8	1814.7	1808.8
45°	1712.5	1721.8	1737.0	1722.6	1715.9
47.5°	1621.3	1632.3	1639.9	1623.8	1615.4
50°	1525.0	1528.4	1536.0	1517.4	1508.2
52.5°	1420.3	1420.3	1426.2	1406.0	1395.0
55°	1308.0	1307.2	1302.1	1287.8	1277.6
57.5°	1189.0	1183.9	1180.5	1165.3	1153.5
60°	1061.5	1053.9	1049.6	1037.0	1027.7
62.5°	928.0	923.8	918.7	908.6	898.5
65°	791.2	787.0	783.6	776.0	768.4
67.5°	655.3	652.7	652.7	647.7	646.8
70°	524.4	526.1	526.9	526.9	515.9
72.5°	406.2	407.0	411.2	407.9	407.0
75°	300.6	305.7	310.8	308.2	308.2
77.5°	216.2	223.8	223.8	222.1	219.6
80°	146.1	149.5	152.0	151.2	149.5
82.5°	92.9	95.4	92.9	94.6	95.4
85°	48.1	51.5	49.8	50.7	53.2
87.5°	16.0	17.7	18.6	17.7	17.7
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)