

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: P506448

Luminaire Tested: **22PD-70-PW1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506448
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-70-PW1-L830
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

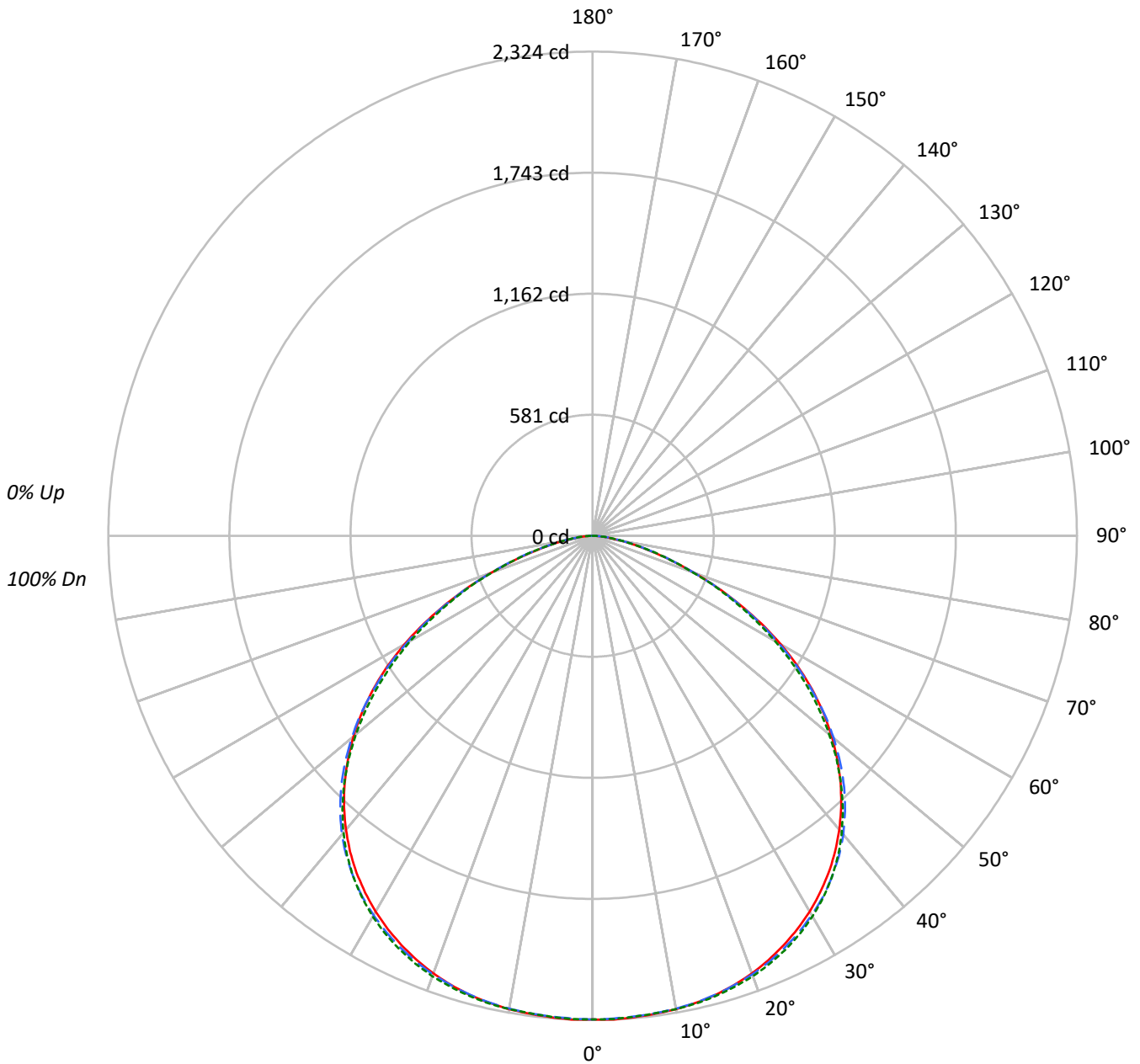
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6711.2 lumens
Efficiency: N/A
Efficacy: 105.0 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): 63.9
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			
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°	6248	6248	6248
5°	6265	6256	6258
10°	6305	6296	6303
15°	6355	6352	6371
20°	6401	6416	6442
25°	6440	6477	6507
30°	6472	6533	6557
35°	6488	6572	6575
40°	6468	6573	6535
45°	6404	6495	6417
50°	6274	6319	6204
55°	6030	6003	5890
60°	5613	5551	5435
65°	4951	4903	4808
70°	4054	4074	3989
75°	3071	3175	3149
80°	2225	2315	2276
85°	1460	1513	1615



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.8	3.3
10°-20°	644.8	9.6
20°-30°	1005.3	15.0
30°-40°	1246.0	18.6
40°-50°	1303.8	19.4
50°-60°	1136.1	16.9
60°-70°	761.1	11.3
70°-80°	329.9	4.9
80°-90°	63.5	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°	1870.8	27.9
0°-40°	3116.8	46.4
0°-60°	5556.7	82.8
0°-90°	6711.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6711.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2322	2322	2322	2322	2322	
5°	2319	2317	2316	2315	2317	221
15°	2281	2278	2280	2283	2287	644
25°	2169	2170	2182	2188	2191	1000
35°	1975	1982	2001	2003	2001	1235
45°	1683	1692	1707	1693	1686	1296
55°	1285	1284	1280	1265	1255	1144
65°	778	773	770	763	755	769
75°	295	300	305	303	303	326
85°	47	51	49	50	52	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2321.7	2321.7	2321.7	2321.7	2321.7
2.5°	2324.2	2320.0	2319.2	2319.2	2321.7
5°	2319.2	2316.7	2315.9	2315.1	2316.7
7.5°	2314.2	2310.9	2311.7	2310.1	2311.7
10°	2307.6	2304.3	2304.3	2304.3	2306.8
12.5°	2296.0	2293.5	2294.3	2296.0	2299.3
15°	2281.0	2277.7	2280.2	2282.7	2286.8
17.5°	2260.3	2257.8	2262.0	2266.1	2269.4
20°	2235.4	2232.9	2240.4	2246.2	2249.5
22.5°	2204.7	2203.9	2213.8	2220.5	2223.0
25°	2169.0	2169.8	2181.5	2188.1	2191.4
27.5°	2128.4	2130.0	2145.0	2150.8	2154.1
30°	2082.7	2086.9	2102.6	2107.6	2110.1
32.5°	2031.3	2037.1	2056.2	2059.5	2059.5
35°	1974.9	1982.3	2000.6	2003.1	2001.4
37.5°	1911.8	1920.1	1940.8	1937.5	1935.0
40°	1841.3	1850.4	1871.1	1864.5	1860.3
42.5°	1765.8	1774.9	1793.1	1783.2	1777.4
45°	1682.8	1691.9	1706.8	1692.7	1686.1
47.5°	1593.2	1603.9	1611.4	1595.6	1587.4
50°	1498.6	1501.9	1509.4	1491.1	1482.0
52.5°	1395.7	1395.7	1401.5	1381.6	1370.8
55°	1285.3	1284.5	1279.5	1265.4	1255.4
57.5°	1168.3	1163.3	1160.0	1145.1	1133.5
60°	1043.0	1035.6	1031.4	1019.0	1009.8
62.5°	911.9	907.8	902.8	892.8	882.9
65°	777.5	773.3	770.0	762.6	755.1
67.5°	643.9	641.4	641.4	636.4	635.6
70°	515.3	516.9	517.8	517.8	507.0
72.5°	399.1	399.9	404.1	400.8	399.9
75°	295.4	300.4	305.4	302.9	302.9
77.5°	212.4	219.9	219.9	218.2	215.7
80°	143.6	146.9	149.4	148.5	146.9
82.5°	91.3	93.8	91.3	92.9	93.8
85°	47.3	50.6	49.0	49.8	52.3
87.5°	15.8	17.4	18.3	17.4	17.4
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)