

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: P506493

Luminaire Tested: **22PD-80-PR1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506493
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-80-PR1-L830
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

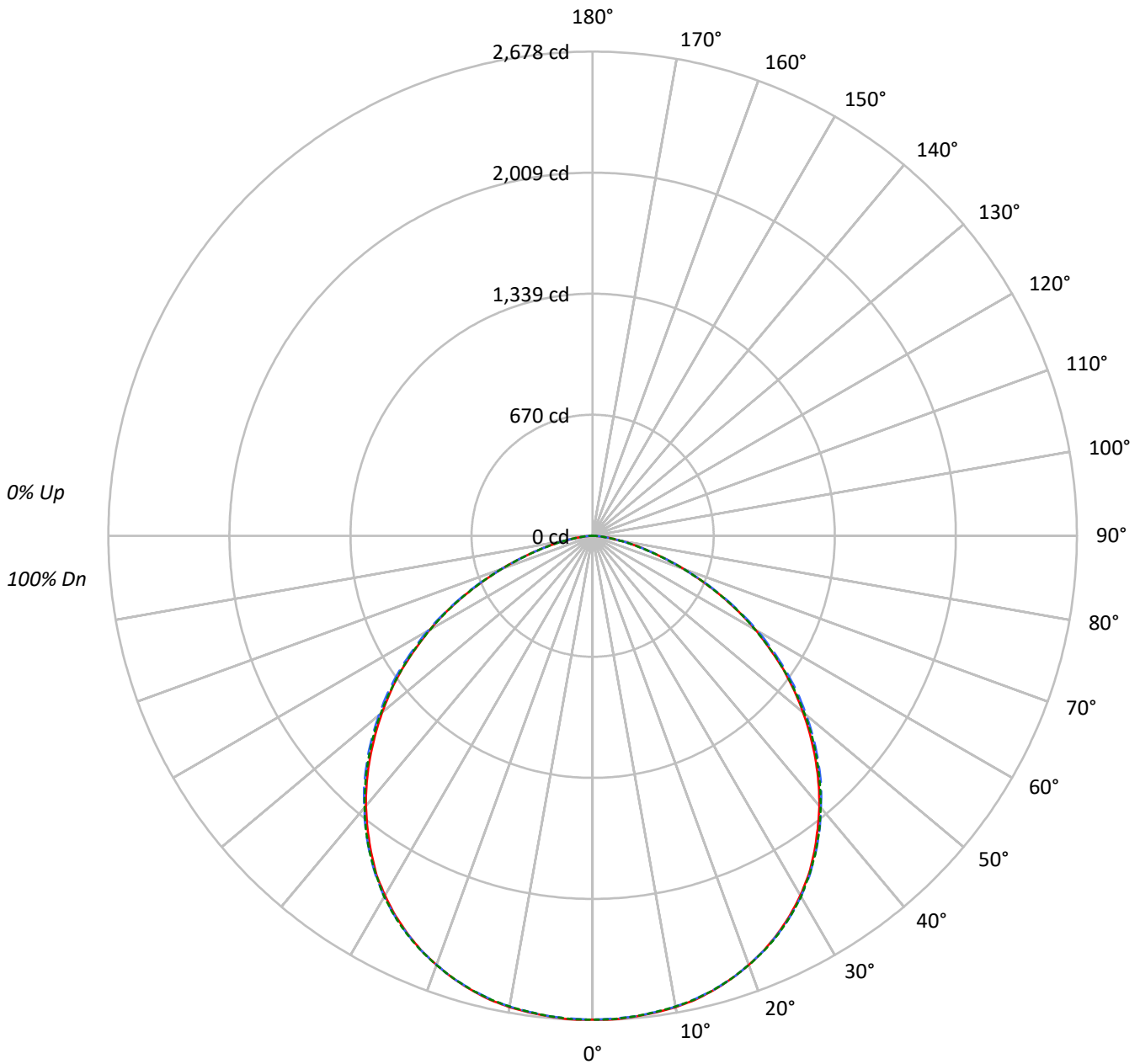
Lumens per Lamp: N/A
Luminaire Lumens: 7151.0 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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				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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7201	7201	7201
5°	7212	7207	7207
10°	7234	7225	7225
15°	7244	7236	7239
20°	7233	7231	7236
25°	7203	7211	7216
30°	7137	7160	7163
35°	7017	7055	7052
40°	6854	6901	6891
45°	6629	6713	6680
50°	6360	6457	6405
55°	6037	6133	6045
60°	5597	5674	5577
65°	4993	5044	4988
70°	4200	4200	4172
75°	3291	3291	3253
80°	2411	2383	2369
85°	1575	1575	1602



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.9	3.6
10°-20°	733.4	10.3
20°-30°	1118.7	15.6
30°-40°	1340.7	18.7
40°-50°	1354.0	18.9
50°-60°	1158.5	16.2
60°-70°	781.2	10.9
70°-80°	344.7	4.8
80°-90°	66.2	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°	2105.9	29.4
0°-40°	3446.6	48.2
0°-60°	5959.0	83.3
0°-90°	7151.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7151.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2676	2676	2676	2676	2676	
5°	2670	2666	2668	2666	2668	254
15°	2600	2599	2598	2597	2598	734
25°	2426	2428	2428	2428	2430	1117
35°	2136	2149	2148	2146	2147	1335
45°	1742	1755	1764	1761	1755	1342
55°	1287	1298	1307	1305	1288	1146
65°	784	790	792	790	783	775
75°	316	317	316	317	313	345
85°	51	51	51	52	52	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2676.1	2676.1	2676.1	2676.1	2676.1
2.5°	2677.9	2674.4	2673.5	2672.6	2676.1
5°	2669.9	2666.3	2668.1	2666.3	2668.1
7.5°	2660.1	2656.5	2657.4	2655.6	2657.4
10°	2647.5	2644.0	2644.0	2642.2	2644.0
12.5°	2627.9	2625.2	2624.3	2622.5	2625.2
15°	2600.1	2599.3	2597.5	2596.6	2598.4
17.5°	2566.2	2564.4	2566.2	2563.5	2565.3
20°	2525.9	2526.8	2525.0	2525.9	2526.8
22.5°	2480.3	2480.3	2481.2	2481.2	2483.0
25°	2425.8	2428.5	2428.5	2428.5	2430.3
27.5°	2365.0	2368.6	2371.2	2369.5	2371.2
30°	2297.0	2303.3	2304.2	2303.3	2305.1
32.5°	2223.7	2228.2	2230.9	2229.1	2227.3
35°	2136.1	2148.6	2147.7	2145.9	2146.8
37.5°	2044.0	2056.5	2061.0	2057.4	2058.3
40°	1951.0	1961.7	1964.4	1965.3	1961.7
42.5°	1848.2	1860.7	1870.5	1866.1	1860.7
45°	1741.8	1755.2	1764.1	1761.4	1755.2
47.5°	1631.8	1644.3	1656.8	1652.4	1646.1
50°	1519.1	1531.7	1542.4	1540.6	1529.9
52.5°	1403.8	1418.1	1427.9	1424.4	1410.1
55°	1286.7	1298.3	1307.2	1305.4	1288.4
57.5°	1159.7	1174.9	1179.4	1176.7	1164.2
60°	1039.9	1049.7	1054.2	1050.6	1036.3
62.5°	912.0	920.1	923.6	922.7	912.9
65°	784.2	790.4	792.2	790.4	783.3
67.5°	652.7	661.7	662.6	662.6	655.4
70°	533.8	536.5	533.8	541.0	530.2
72.5°	418.5	420.2	418.5	418.5	414.0
75°	316.5	317.4	316.5	317.4	312.9
77.5°	228.9	230.7	227.1	229.8	225.3
80°	155.6	155.6	153.8	154.7	152.9
82.5°	96.6	98.4	95.7	95.7	94.8
85°	51.0	51.0	51.0	51.9	51.9
87.5°	17.9	17.9	18.8	18.8	17.9
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)