

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: P506174

Luminaire Tested: **22PD-20-PR1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506174
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-20-PR1-L930
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

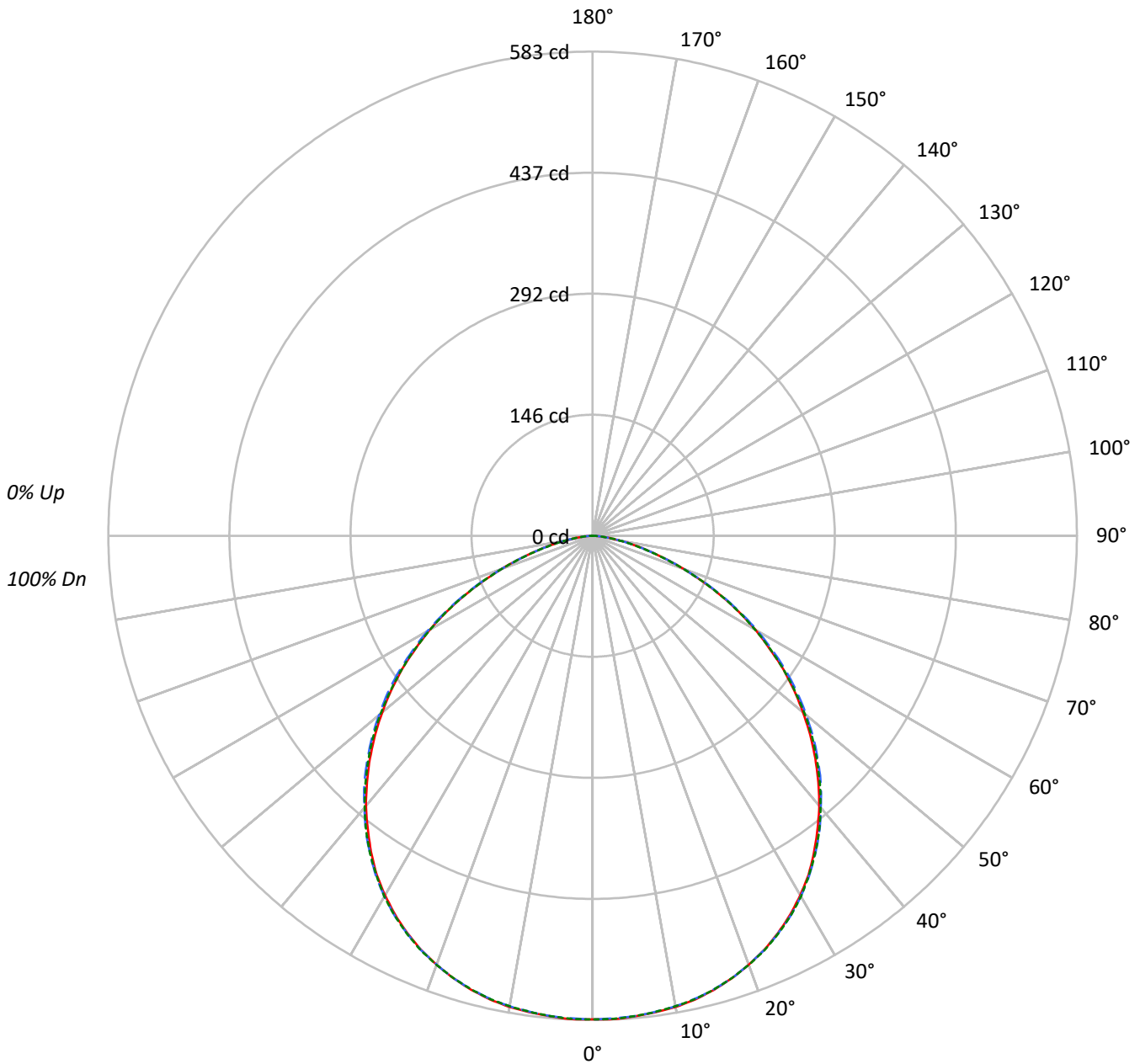
Lumens per Lamp: N/A
Luminaire Lumens: 1556.0 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
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	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°	1567	1567	1567
5°	1569	1568	1568
10°	1574	1572	1572
15°	1576	1575	1575
20°	1574	1573	1574
25°	1567	1569	1570
30°	1553	1558	1559
35°	1527	1535	1534
40°	1491	1501	1500
45°	1442	1461	1453
50°	1384	1405	1394
55°	1314	1334	1316
60°	1218	1235	1214
65°	1086	1098	1085
70°	914	914	908
75°	716	716	708
80°	525	519	516
85°	343	343	349



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	3.6
10°-20°	159.6	10.3
20°-30°	243.4	15.6
30°-40°	291.7	18.7
40°-50°	294.6	18.9
50°-60°	252.1	16.2
60°-70°	170.0	10.9
70°-80°	75.0	4.8
80°-90°	14.4	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°	458.2	29.4
0°-40°	749.9	48.2
0°-60°	1296.6	83.3
0°-90°	1556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1556.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	582	582	582	582	582	
5°	581	580	581	580	581	55
15°	566	566	565	565	565	160
25°	528	528	528	528	529	243
35°	465	468	467	467	467	290
45°	379	382	384	383	382	292
55°	280	282	284	284	280	249
65°	171	172	172	172	170	169
75°	69	69	69	69	68	75
85°	11	11	11	11	11	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	582.3	582.3	582.3	582.3	582.3
2.5°	582.7	581.9	581.7	581.5	582.3
5°	580.9	580.2	580.6	580.2	580.6
7.5°	578.8	578.0	578.2	577.8	578.2
10°	576.1	575.3	575.3	574.9	575.3
12.5°	571.8	571.2	571.0	570.6	571.2
15°	565.8	565.6	565.2	565.0	565.4
17.5°	558.4	558.0	558.4	557.8	558.2
20°	549.6	549.8	549.4	549.6	549.8
22.5°	539.7	539.7	539.9	539.9	540.3
25°	527.8	528.4	528.4	528.4	528.8
27.5°	514.6	515.4	516.0	515.6	516.0
30°	499.8	501.2	501.4	501.2	501.6
32.5°	483.9	484.8	485.4	485.0	484.6
35°	464.8	467.5	467.3	466.9	467.1
37.5°	444.8	447.5	448.5	447.7	447.9
40°	424.5	426.9	427.4	427.6	426.9
42.5°	402.1	404.9	407.0	406.0	404.9
45°	379.0	381.9	383.9	383.3	381.9
47.5°	355.1	357.8	360.5	359.5	358.2
50°	330.6	333.3	335.6	335.2	332.9
52.5°	305.5	308.6	310.7	309.9	306.8
55°	280.0	282.5	284.4	284.1	280.4
57.5°	252.3	255.6	256.6	256.0	253.3
60°	226.3	228.4	229.4	228.6	225.5
62.5°	198.4	200.2	201.0	200.8	198.6
65°	170.6	172.0	172.4	172.0	170.4
67.5°	142.0	144.0	144.2	144.2	142.6
70°	116.2	116.7	116.2	117.7	115.4
72.5°	91.1	91.4	91.1	91.1	90.1
75°	68.9	69.1	68.9	69.1	68.1
77.5°	49.8	50.2	49.4	50.0	49.0
80°	33.9	33.9	33.5	33.7	33.3
82.5°	21.0	21.4	20.8	20.8	20.6
85°	11.1	11.1	11.1	11.3	11.3
87.5°	3.9	3.9	4.1	4.1	3.9
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)