

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: P506226

Luminaire Tested: **22PD-30-PR1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506226
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-30-PR1-L850
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

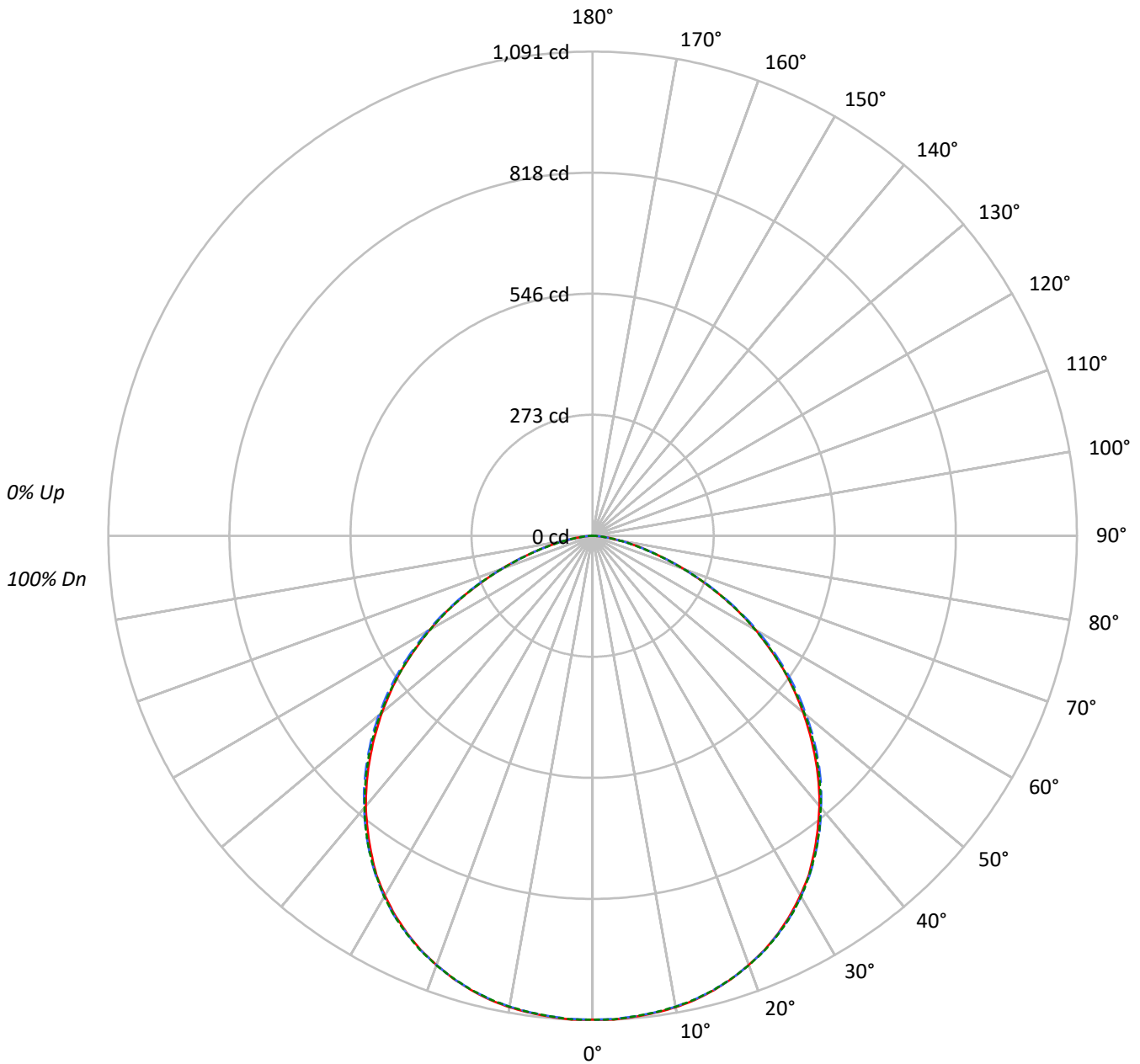
Lumens per Lamp: N/A
Luminaire Lumens: 2914.0 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.6
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°	2935	2935	2935
5°	2939	2937	2937
10°	2948	2944	2944
15°	2952	2949	2950
20°	2948	2946	2949
25°	2935	2938	2940
30°	2908	2917	2919
35°	2859	2875	2874
40°	2793	2812	2808
45°	2701	2736	2722
50°	2591	2631	2610
55°	2460	2499	2463
60°	2280	2312	2273
65°	2034	2055	2032
70°	1711	1711	1700
75°	1341	1341	1326
80°	982	972	965
85°	642	642	651



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.5	3.6
10°-20°	298.8	10.3
20°-30°	455.8	15.6
30°-40°	546.3	18.7
40°-50°	551.7	18.9
50°-60°	472.1	16.2
60°-70°	318.3	10.9
70°-80°	140.4	4.8
80°-90°	27.0	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°	858.1	29.4
0°-40°	1404.5	48.2
0°-60°	2428.3	83.3
0°-90°	2914.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2914.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1090	1090	1090	1090	1090	
5°	1088	1086	1087	1086	1087	104
15°	1060	1059	1058	1058	1059	299
25°	988	990	990	990	990	455
35°	870	876	875	874	875	544
45°	710	715	719	718	715	547
55°	524	529	533	532	525	467
65°	320	322	323	322	319	316
75°	129	129	129	129	128	140
85°	21	21	21	21	21	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1090.5	1090.5	1090.5	1090.5	1090.5
2.5°	1091.2	1089.8	1089.4	1089.1	1090.5
5°	1088.0	1086.5	1087.2	1086.5	1087.2
7.5°	1084.0	1082.5	1082.9	1082.1	1082.9
10°	1078.9	1077.4	1077.4	1076.7	1077.4
12.5°	1070.8	1069.7	1069.4	1068.7	1069.7
15°	1059.5	1059.2	1058.5	1058.1	1058.8
17.5°	1045.7	1045.0	1045.7	1044.6	1045.3
20°	1029.3	1029.7	1028.9	1029.3	1029.7
22.5°	1010.7	1010.7	1011.1	1011.1	1011.8
25°	988.5	989.6	989.6	989.6	990.3
27.5°	963.7	965.2	966.3	965.5	966.3
30°	936.0	938.6	938.9	938.6	939.3
32.5°	906.2	908.0	909.1	908.3	907.6
35°	870.4	875.5	875.2	874.5	874.8
37.5°	832.9	838.0	839.8	838.4	838.7
40°	795.0	799.4	800.5	800.9	799.4
42.5°	753.1	758.2	762.2	760.4	758.2
45°	709.8	715.2	718.9	717.8	715.2
47.5°	664.9	670.1	675.2	673.3	670.8
50°	619.0	624.1	628.5	627.8	623.4
52.5°	572.0	577.9	581.9	580.4	574.6
55°	524.3	529.0	532.7	532.0	525.0
57.5°	472.6	478.8	480.6	479.5	474.4
60°	423.7	427.8	429.6	428.1	422.3
62.5°	371.6	374.9	376.4	376.0	372.0
65°	319.5	322.1	322.8	322.1	319.2
67.5°	266.0	269.6	270.0	270.0	267.1
70°	217.5	218.6	217.5	220.4	216.1
72.5°	170.5	171.2	170.5	170.5	168.7
75°	129.0	129.3	129.0	129.3	127.5
77.5°	93.3	94.0	92.5	93.6	91.8
80°	63.4	63.4	62.7	63.0	62.3
82.5°	39.4	40.1	39.0	39.0	38.6
85°	20.8	20.8	20.8	21.1	21.1
87.5°	7.3	7.3	7.7	7.7	7.3
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)