

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: P506225

Luminaire Tested: **22PD-30-PR1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506225
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-L840
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

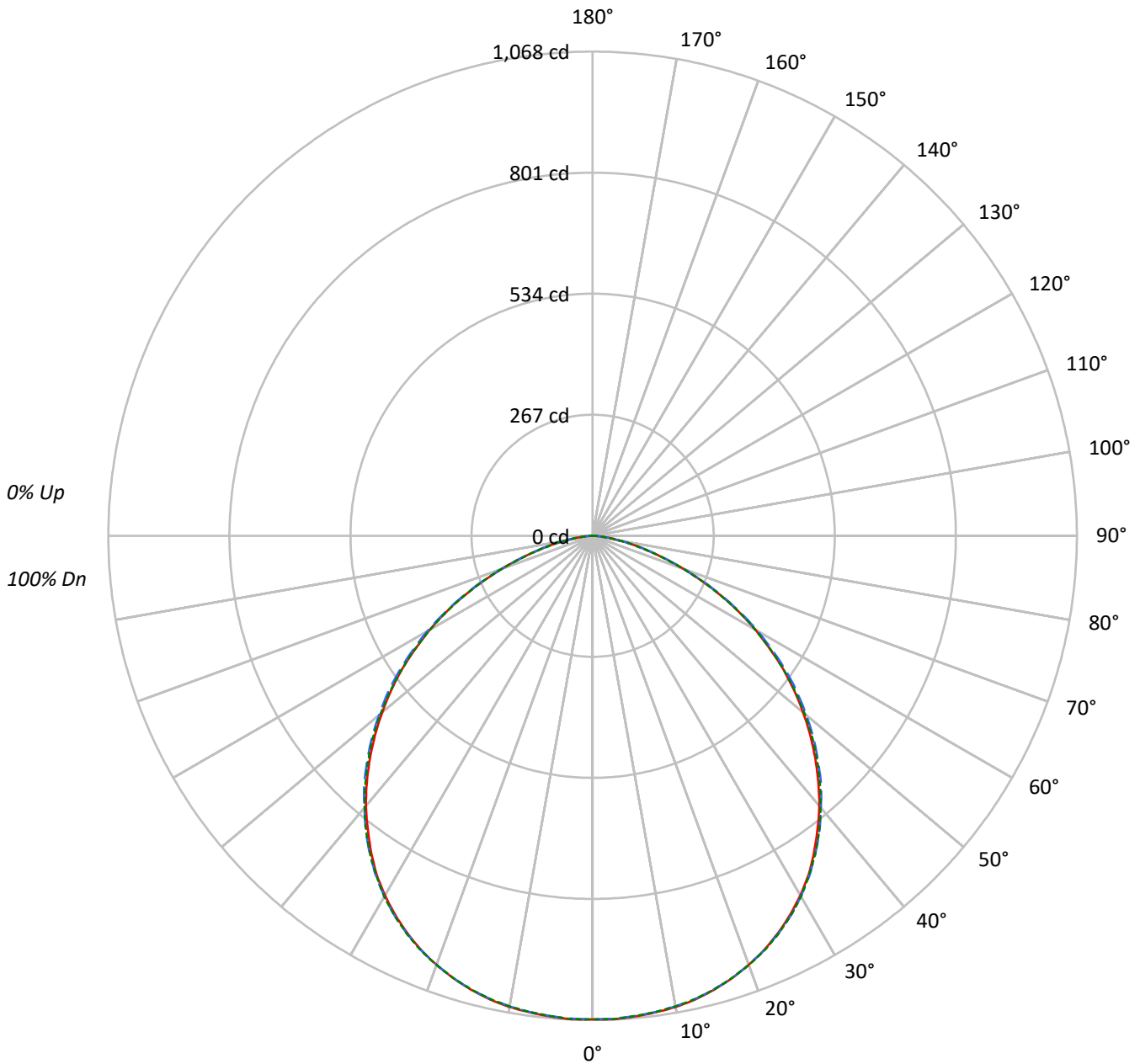
Lumens per Lamp: N/A
Luminaire Lumens: 2851.0 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2871	2871	2871
5°	2875	2873	2873
10°	2884	2880	2880
15°	2888	2885	2886
20°	2884	2883	2885
25°	2871	2875	2877
30°	2846	2854	2856
35°	2798	2813	2812
40°	2732	2751	2747
45°	2643	2676	2663
50°	2536	2574	2553
55°	2407	2445	2410
60°	2231	2262	2224
65°	1990	2011	1989
70°	1674	1674	1663
75°	1312	1312	1298
80°	961	950	945
85°	627	627	639



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.2	3.6
10°-20°	292.4	10.3
20°-30°	446.0	15.6
30°-40°	534.5	18.7
40°-50°	539.8	18.9
50°-60°	461.9	16.2
60°-70°	311.4	10.9
70°-80°	137.4	4.8
80°-90°	26.4	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°	839.6	29.4
0°-40°	1374.1	48.2
0°-60°	2375.8	83.3
0°-90°	2851.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2851.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1067	1067	1067	1067	1067	
5°	1064	1063	1064	1063	1064	101
15°	1037	1036	1036	1035	1036	293
25°	967	968	968	968	969	445
35°	852	857	856	856	856	532
45°	694	700	703	702	700	535
55°	513	518	521	520	514	457
65°	313	315	316	315	312	309
75°	126	126	126	126	125	137
85°	20	20	20	21	21	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1066.9	1066.9	1066.9	1066.9	1066.9
2.5°	1067.7	1066.2	1065.9	1065.5	1066.9
5°	1064.4	1063.0	1063.7	1063.0	1063.7
7.5°	1060.5	1059.1	1059.5	1058.7	1059.5
10°	1055.5	1054.1	1054.1	1053.4	1054.1
12.5°	1047.7	1046.6	1046.3	1045.6	1046.6
15°	1036.6	1036.3	1035.6	1035.2	1035.9
17.5°	1023.1	1022.4	1023.1	1022.0	1022.7
20°	1007.1	1007.4	1006.7	1007.1	1007.4
22.5°	988.9	988.9	989.2	989.2	989.9
25°	967.1	968.2	968.2	968.2	968.9
27.5°	942.9	944.3	945.4	944.7	945.4
30°	915.8	918.3	918.6	918.3	919.0
32.5°	886.6	888.3	889.4	888.7	888.0
35°	851.6	856.6	856.3	855.5	855.9
37.5°	814.9	819.9	821.7	820.3	820.6
40°	777.8	782.1	783.2	783.5	782.1
42.5°	736.8	741.8	745.8	744.0	741.8
45°	694.4	699.8	703.3	702.3	699.8
47.5°	650.6	655.6	660.6	658.8	656.3
50°	605.7	610.6	614.9	614.2	609.9
52.5°	559.7	565.4	569.3	567.9	562.2
55°	513.0	517.6	521.2	520.5	513.7
57.5°	462.4	468.4	470.2	469.1	464.1
60°	414.6	418.5	420.3	418.9	413.2
62.5°	363.6	366.8	368.2	367.9	364.0
65°	312.6	315.1	315.8	315.1	312.3
67.5°	260.2	263.8	264.2	264.2	261.3
70°	212.8	213.9	212.8	215.7	211.4
72.5°	166.8	167.5	166.8	166.8	165.0
75°	126.2	126.5	126.2	126.5	124.8
77.5°	91.3	92.0	90.5	91.6	89.8
80°	62.0	62.0	61.3	61.7	61.0
82.5°	38.5	39.2	38.1	38.1	37.8
85°	20.3	20.3	20.3	20.7	20.7
87.5°	7.1	7.1	7.5	7.5	7.1
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)