

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: P506230

Luminaire Tested: **22PD-30-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506230
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-L940
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

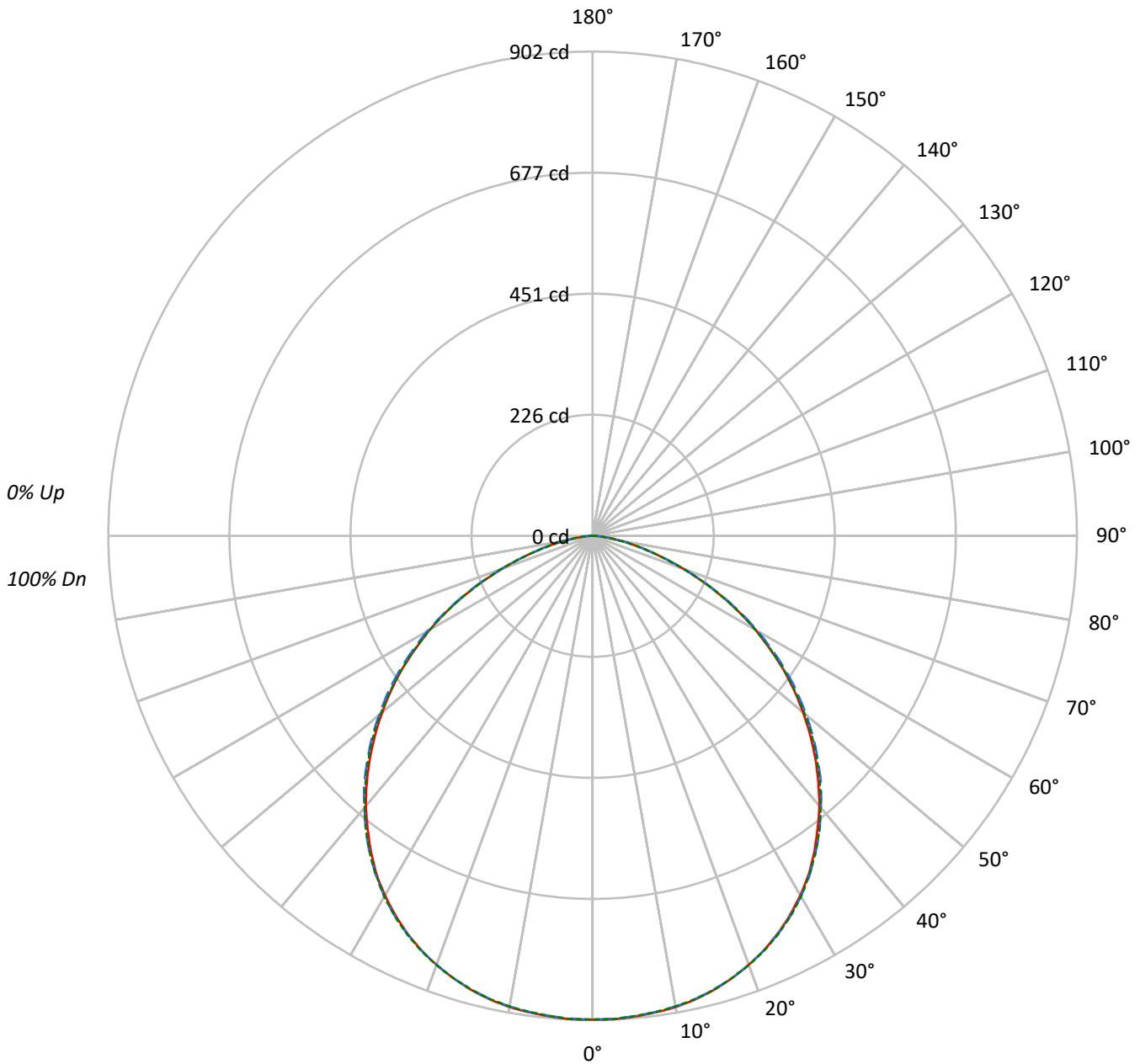
Lumens per Lamp: N/A
Luminaire Lumens: 2408.0 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P506230

CATALOG NUMBER: 22PD-30-PR1-L940

Luminous Intensity Polar Plot





TEST NUMBER: P506230

CATALOG NUMBER: 22PD-30-PR1-L940

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°	2425	2425	2425
5°	2428	2427	2427
10°	2436	2433	2433
15°	2439	2437	2438
20°	2436	2435	2437
25°	2426	2428	2430
30°	2403	2411	2412
35°	2363	2376	2375
40°	2308	2324	2321
45°	2232	2261	2249
50°	2141	2174	2157
55°	2033	2065	2036
60°	1885	1911	1878
65°	1682	1699	1680
70°	1414	1414	1404
75°	1108	1108	1096
80°	812	803	798
85°	531	531	540



TEST NUMBER: P506230

CATALOG NUMBER: 22PD-30-PR1-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	3.6
10°-20°	247.0	10.3
20°-30°	376.7	15.6
30°-40°	451.5	18.7
40°-50°	455.9	18.9
50°-60°	390.1	16.2
60°-70°	263.1	10.9
70°-80°	116.1	4.8
80°-90°	22.3	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°	709.1	29.4
0°-40°	1160.6	48.2
0°-60°	2006.6	83.3
0°-90°	2408.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2408.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	901	901	901	901	901	
5°	899	898	898	898	898	86
15°	876	875	875	874	875	247
25°	817	818	818	818	818	376
35°	719	724	723	723	723	450
45°	586	591	594	593	591	452
55°	433	437	440	440	434	386
65°	264	266	267	266	264	261
75°	107	107	107	107	105	116
85°	17	17	17	18	18	22
90°	0	0	0	0	0	



TEST NUMBER: P506230

CATALOG NUMBER: 22PD-30-PR1-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	901.2	901.2	901.2	901.2	901.2
2.5°	901.8	900.6	900.3	900.0	901.2
5°	899.0	897.8	898.4	897.8	898.4
7.5°	895.7	894.5	894.8	894.2	894.8
10°	891.5	890.3	890.3	889.7	890.3
12.5°	884.9	884.0	883.7	883.1	884.0
15°	875.6	875.3	874.7	874.4	875.0
17.5°	864.1	863.5	864.1	863.2	863.8
20°	850.6	850.9	850.3	850.6	850.9
22.5°	835.2	835.2	835.5	835.5	836.1
25°	816.9	817.8	817.8	817.8	818.4
27.5°	796.4	797.6	798.5	797.9	798.5
30°	773.5	775.6	775.9	775.6	776.2
32.5°	748.8	750.3	751.2	750.6	750.0
35°	719.3	723.5	723.2	722.6	722.9
37.5°	688.3	692.5	694.0	692.8	693.1
40°	657.0	660.6	661.5	661.8	660.6
42.5°	622.3	626.6	629.9	628.4	626.6
45°	586.5	591.0	594.0	593.1	591.0
47.5°	549.5	553.7	557.9	556.4	554.3
50°	511.5	515.8	519.4	518.8	515.2
52.5°	472.7	477.5	480.8	479.6	474.8
55°	433.3	437.2	440.2	439.6	433.9
57.5°	390.5	395.6	397.1	396.2	392.0
60°	350.2	353.5	355.0	353.8	349.0
62.5°	307.1	309.8	311.0	310.7	307.4
65°	264.1	266.2	266.8	266.2	263.8
67.5°	219.8	222.8	223.1	223.1	220.7
70°	179.7	180.7	179.7	182.2	178.5
72.5°	140.9	141.5	140.9	140.9	139.4
75°	106.6	106.9	106.6	106.9	105.4
77.5°	77.1	77.7	76.5	77.4	75.9
80°	52.4	52.4	51.8	52.1	51.5
82.5°	32.5	33.1	32.2	32.2	31.9
85°	17.2	17.2	17.2	17.5	17.5
87.5°	6.0	6.0	6.3	6.3	6.0
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)