

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: P506177

Luminaire Tested: **22PD-20-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506177
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-L950
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

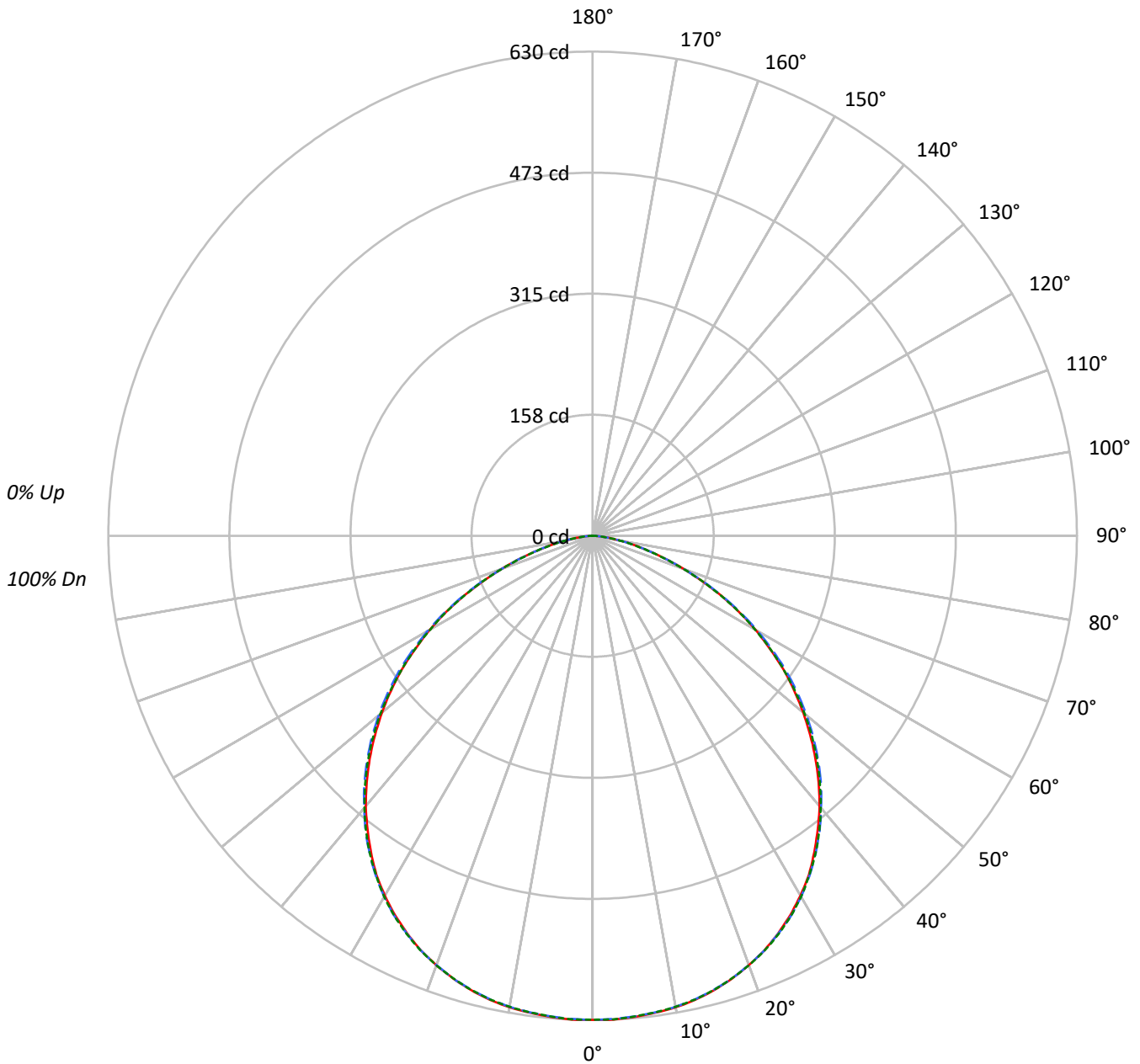
Lumens per Lamp: N/A
Luminaire Lumens: 1683.0 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P506177

CATALOG NUMBER: 22PD-20-PR1-L950

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°	1695	1695	1695
5°	1697	1696	1696
10°	1703	1700	1700
15°	1705	1703	1704
20°	1702	1702	1703
25°	1695	1697	1698
30°	1680	1685	1686
35°	1651	1661	1660
40°	1613	1624	1622
45°	1560	1580	1572
50°	1497	1520	1508
55°	1421	1444	1422
60°	1317	1335	1313
65°	1175	1187	1174
70°	988	988	982
75°	775	775	766
80°	567	561	558
85°	371	371	377



TEST NUMBER: P506177

CATALOG NUMBER: 22PD-20-PR1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	3.6
10°-20°	172.6	10.3
20°-30°	263.3	15.6
30°-40°	315.5	18.7
40°-50°	318.7	18.9
50°-60°	272.7	16.2
60°-70°	183.8	10.9
70°-80°	81.1	4.8
80°-90°	15.6	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°	495.6	29.4
0°-40°	811.2	48.2
0°-60°	1402.5	83.3
0°-90°	1683.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1683.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	630	630	630	630	630	
5°	628	628	628	628	628	60
15°	612	612	611	611	612	173
25°	571	572	572	572	572	263
35°	503	506	506	505	505	314
45°	410	413	415	415	413	316
55°	303	306	308	307	303	270
65°	185	186	186	186	184	182
75°	74	75	74	75	74	81
85°	12	12	12	12	12	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	629.8	629.8	629.8	629.8	629.8
2.5°	630.3	629.4	629.2	629.0	629.8
5°	628.4	627.5	627.9	627.5	627.9
7.5°	626.0	625.2	625.4	625.0	625.4
10°	623.1	622.3	622.3	621.8	622.3
12.5°	618.5	617.8	617.6	617.2	617.8
15°	611.9	611.7	611.3	611.1	611.5
17.5°	604.0	603.5	604.0	603.3	603.7
20°	594.5	594.7	594.3	594.5	594.7
22.5°	583.8	583.8	584.0	584.0	584.4
25°	570.9	571.5	571.5	571.5	572.0
27.5°	556.6	557.4	558.1	557.7	558.1
30°	540.6	542.1	542.3	542.1	542.5
32.5°	523.4	524.4	525.0	524.6	524.2
35°	502.7	505.7	505.5	505.0	505.3
37.5°	481.1	484.0	485.1	484.2	484.4
40°	459.2	461.7	462.3	462.5	461.7
42.5°	435.0	437.9	440.2	439.2	437.9
45°	409.9	413.1	415.2	414.6	413.1
47.5°	384.0	387.0	389.9	388.9	387.4
50°	357.5	360.5	363.0	362.6	360.1
52.5°	330.4	333.8	336.1	335.2	331.9
55°	302.8	305.6	307.7	307.2	303.2
57.5°	272.9	276.5	277.6	276.9	274.0
60°	244.7	247.1	248.1	247.3	243.9
62.5°	214.6	216.5	217.4	217.2	214.9
65°	184.6	186.0	186.4	186.0	184.3
67.5°	153.6	155.7	155.9	155.9	154.2
70°	125.6	126.3	125.6	127.3	124.8
72.5°	98.5	98.9	98.5	98.5	97.4
75°	74.5	74.7	74.5	74.7	73.7
77.5°	53.9	54.3	53.5	54.1	53.0
80°	36.6	36.6	36.2	36.4	36.0
82.5°	22.7	23.1	22.5	22.5	22.3
85°	12.0	12.0	12.0	12.2	12.2
87.5°	4.2	4.2	4.4	4.4	4.2
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)