

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: P506176

Luminaire Tested: **22PD-20-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506176
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-L940
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

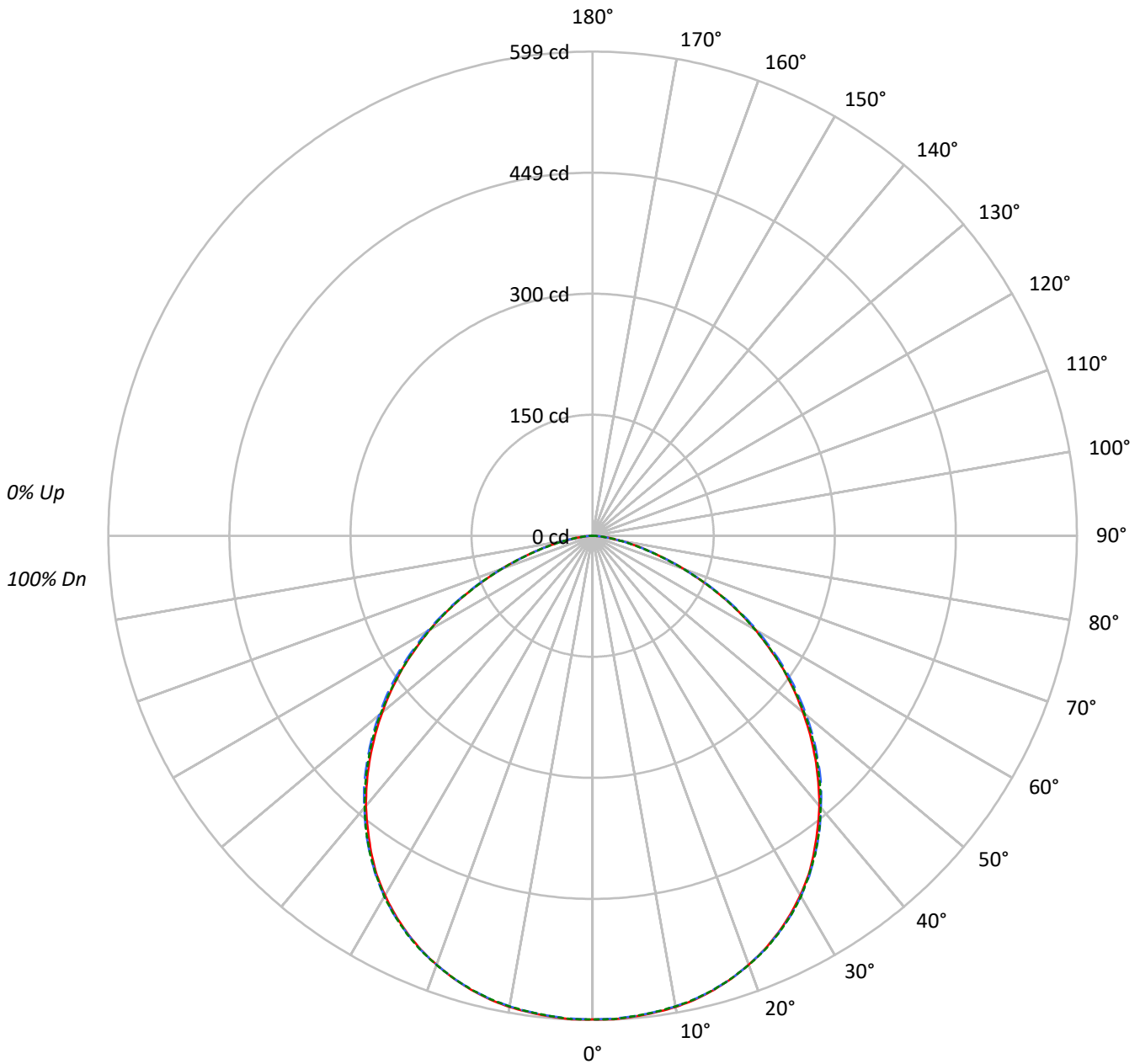
Lumens per Lamp: N/A
Luminaire Lumens: 1599.0 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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				20				
RC	80				70				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°	1610	1610	1610
5°	1613	1612	1612
10°	1618	1615	1615
15°	1620	1618	1619
20°	1617	1617	1618
25°	1610	1612	1613
30°	1596	1601	1601
35°	1569	1577	1577
40°	1533	1543	1541
45°	1482	1501	1494
50°	1422	1444	1432
55°	1350	1371	1352
60°	1251	1269	1247
65°	1116	1128	1115
70°	939	939	933
75°	736	736	728
80°	539	533	530
85°	352	352	358



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	3.6
10°-20°	164.0	10.3
20°-30°	250.1	15.6
30°-40°	299.8	18.7
40°-50°	302.8	18.9
50°-60°	259.0	16.2
60°-70°	174.7	10.9
70°-80°	77.1	4.8
80°-90°	14.8	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°	470.9	29.4
0°-40°	770.6	48.2
0°-60°	1332.5	83.3
0°-90°	1599.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1599.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	598	598	598	598	598	
5°	597	596	597	596	597	57
15°	581	581	581	581	581	164
25°	542	543	543	543	543	250
35°	478	480	480	480	480	298
45°	390	392	394	394	392	300
55°	288	290	292	292	288	256
65°	175	177	177	177	175	173
75°	71	71	71	71	70	77
85°	11	11	11	12	12	15
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	598.4	598.4	598.4	598.4	598.4
2.5°	598.8	598.0	597.8	597.6	598.4
5°	597.0	596.2	596.6	596.2	596.6
7.5°	594.8	594.0	594.2	593.8	594.2
10°	592.0	591.2	591.2	590.8	591.2
12.5°	587.6	587.0	586.8	586.4	587.0
15°	581.4	581.2	580.8	580.6	581.0
17.5°	573.8	573.4	573.8	573.2	573.6
20°	564.8	565.0	564.6	564.8	565.0
22.5°	554.6	554.6	554.8	554.8	555.2
25°	542.4	543.0	543.0	543.0	543.4
27.5°	528.8	529.6	530.2	529.8	530.2
30°	513.6	515.0	515.2	515.0	515.4
32.5°	497.2	498.2	498.8	498.4	498.0
35°	477.6	480.4	480.2	479.8	480.0
37.5°	457.0	459.8	460.8	460.0	460.2
40°	436.3	438.7	439.3	439.5	438.7
42.5°	413.3	416.1	418.3	417.3	416.1
45°	389.5	392.5	394.5	393.9	392.5
47.5°	364.9	367.7	370.5	369.5	368.1
50°	339.7	342.5	344.9	344.5	342.1
52.5°	313.9	317.1	319.3	318.5	315.3
55°	287.7	290.3	292.3	291.9	288.1
57.5°	259.3	262.7	263.7	263.1	260.3
60°	232.5	234.7	235.7	234.9	231.7
62.5°	203.9	205.7	206.5	206.3	204.1
65°	175.3	176.7	177.1	176.7	175.1
67.5°	146.0	148.0	148.2	148.2	146.6
70°	119.4	120.0	119.4	121.0	118.6
72.5°	93.6	94.0	93.6	93.6	92.6
75°	70.8	71.0	70.8	71.0	70.0
77.5°	51.2	51.6	50.8	51.4	50.4
80°	34.8	34.8	34.4	34.6	34.2
82.5°	21.6	22.0	21.4	21.4	21.2
85°	11.4	11.4	11.4	11.6	11.6
87.5°	4.0	4.0	4.2	4.2	4.0
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)