

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: P506185

Luminaire Tested: **22PD-20-PW1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506185
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-20-PW1-L940
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

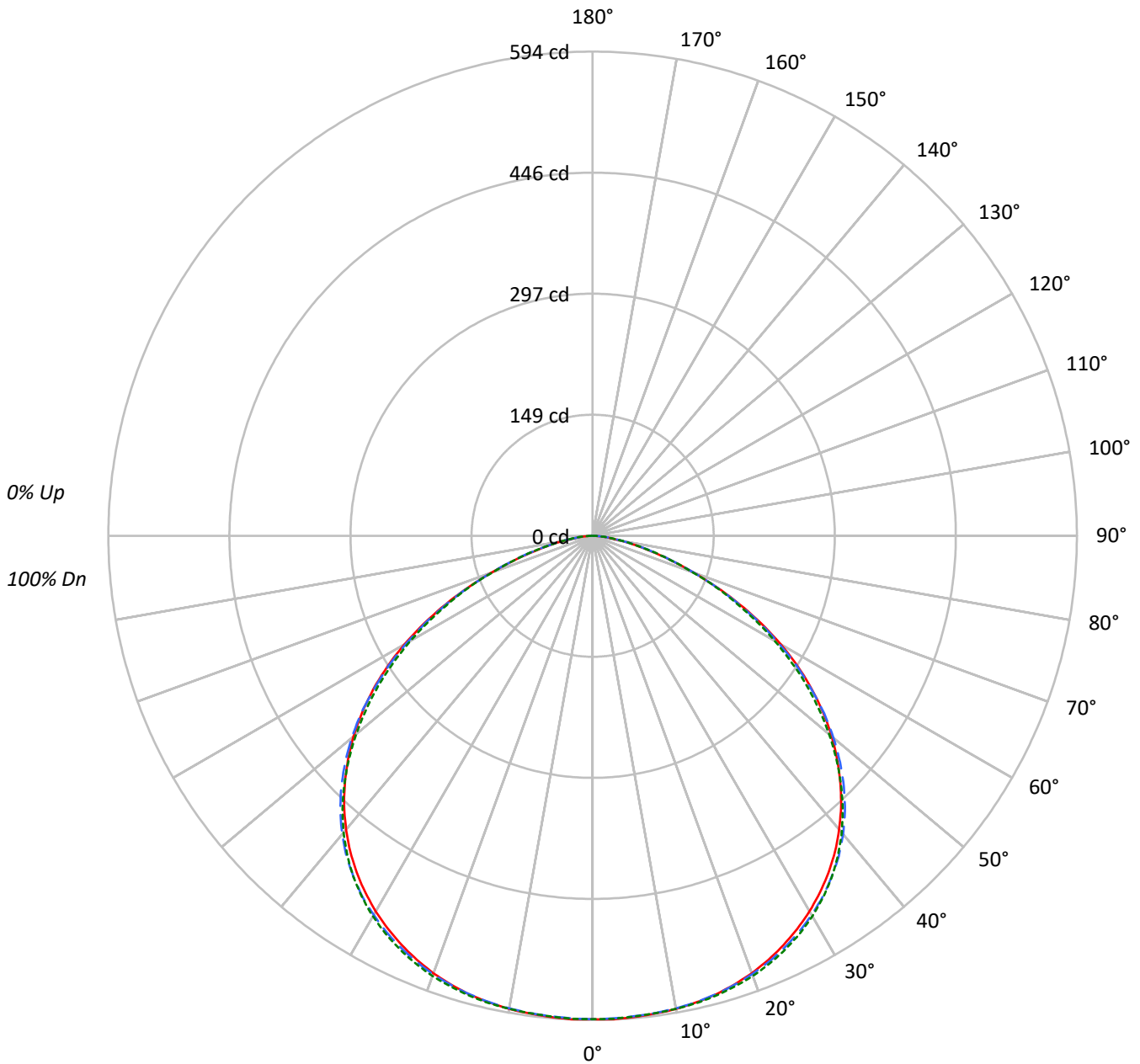
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1714.5 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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: P506185
CATALOG NUMBER: 22PD-20-PW1-L940

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1596	1596	1596
5°	1600	1598	1599
10°	1611	1609	1610
15°	1623	1623	1628
20°	1635	1639	1646
25°	1645	1655	1662
30°	1653	1669	1675
35°	1657	1679	1680
40°	1652	1679	1670
45°	1636	1659	1639
50°	1603	1614	1585
55°	1541	1534	1505
60°	1434	1418	1389
65°	1265	1252	1228
70°	1035	1041	1019
75°	785	811	805
80°	569	592	581
85°	374	386	414



TEST NUMBER: P506185
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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.4	3.3
10°-20°	164.7	9.6
20°-30°	256.8	15.0
30°-40°	318.3	18.6
40°-50°	333.1	19.4
50°-60°	290.2	16.9
60°-70°	194.4	11.3
70°-80°	84.3	4.9
80°-90°	16.2	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°	477.9	27.9
0°-40°	796.2	46.4
0°-60°	1419.5	82.8
0°-90°	1714.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1714.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	593	593	593	593	593	
5°	592	592	592	591	592	56
15°	583	582	582	583	584	165
25°	554	554	557	559	560	256
35°	504	506	511	512	511	315
45°	430	432	436	432	431	331
55°	328	328	327	323	321	292
65°	199	198	197	195	193	196
75°	76	77	78	77	77	83
85°	12	13	12	13	13	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	593.1	593.1	593.1	593.1	593.1
2.5°	593.7	592.7	592.5	592.5	593.1
5°	592.5	591.8	591.6	591.4	591.8
7.5°	591.2	590.4	590.6	590.1	590.6
10°	589.5	588.7	588.7	588.7	589.3
12.5°	586.5	585.9	586.1	586.5	587.4
15°	582.7	581.9	582.5	583.2	584.2
17.5°	577.4	576.8	577.9	578.9	579.8
20°	571.1	570.4	572.3	573.8	574.7
22.5°	563.2	563.0	565.6	567.3	567.9
25°	554.1	554.3	557.3	559.0	559.8
27.5°	543.7	544.1	548.0	549.4	550.3
30°	532.1	533.1	537.2	538.4	539.1
32.5°	518.9	520.4	525.3	526.1	526.1
35°	504.5	506.4	511.1	511.7	511.3
37.5°	488.4	490.5	495.8	495.0	494.3
40°	470.4	472.7	478.0	476.3	475.3
42.5°	451.1	453.4	458.1	455.5	454.1
45°	429.9	432.2	436.0	432.4	430.7
47.5°	407.0	409.8	411.7	407.6	405.5
50°	382.8	383.7	385.6	380.9	378.6
52.5°	356.5	356.5	358.0	352.9	350.2
55°	328.4	328.1	326.9	323.3	320.7
57.5°	298.5	297.2	296.3	292.5	289.6
60°	266.5	264.5	263.5	260.3	258.0
62.5°	233.0	231.9	230.6	228.1	225.5
65°	198.6	197.6	196.7	194.8	192.9
67.5°	164.5	163.9	163.9	162.6	162.4
70°	131.6	132.1	132.3	132.3	129.5
72.5°	102.0	102.2	103.2	102.4	102.2
75°	75.5	76.7	78.0	77.4	77.4
77.5°	54.3	56.2	56.2	55.8	55.1
80°	36.7	37.5	38.2	37.9	37.5
82.5°	23.3	24.0	23.3	23.7	24.0
85°	12.1	12.9	12.5	12.7	13.4
87.5°	4.0	4.5	4.7	4.5	4.5
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)