

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: P506182

Luminaire Tested: **22PD-20-PW1-L927**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506182
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-L927
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

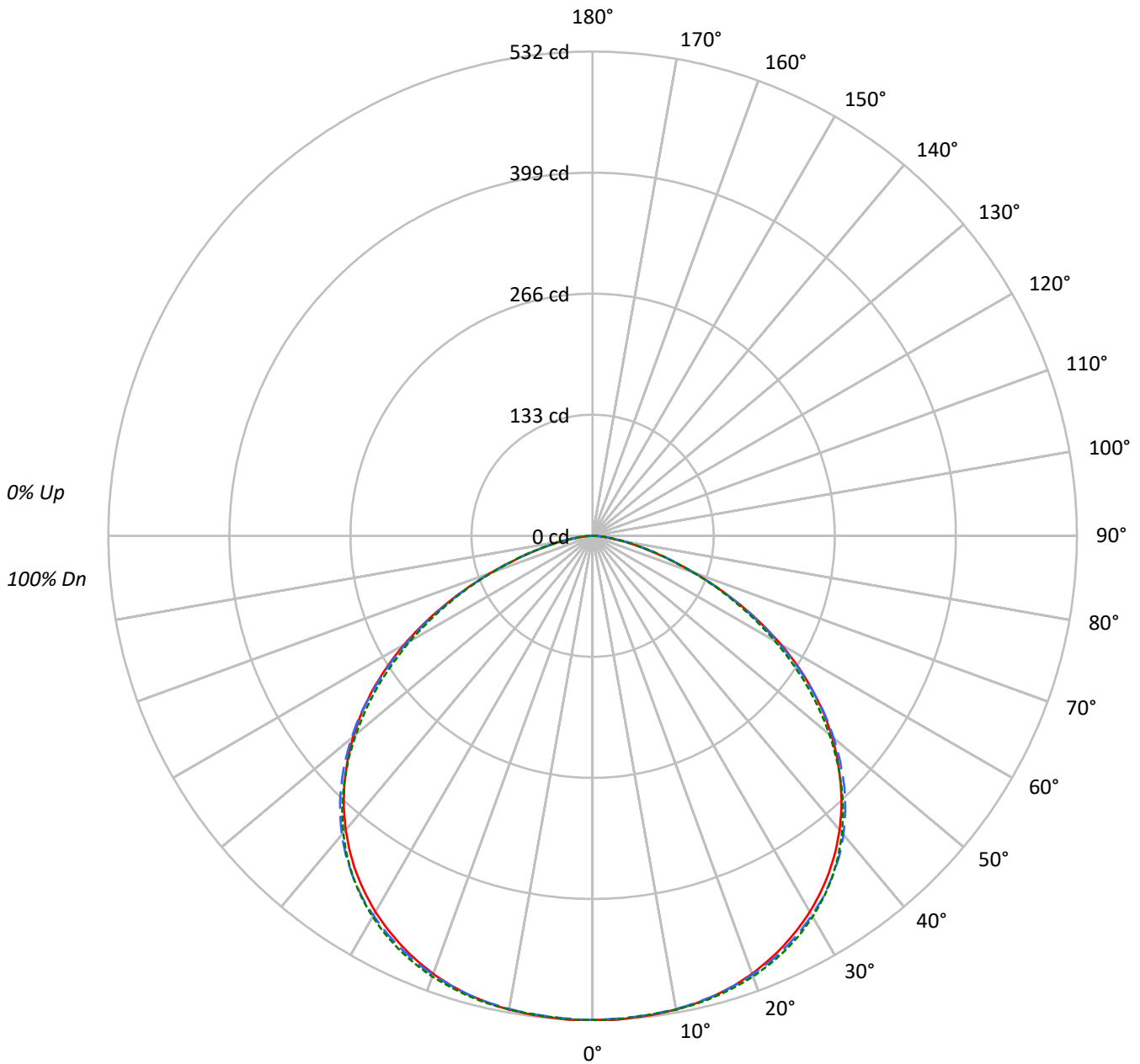
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1537.6 lumens
Efficiency: N/A
Efficacy: 95.5 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

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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	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	84	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°	1431	1431	1431
5°	1435	1433	1434
10°	1445	1442	1444
15°	1456	1455	1460
20°	1467	1470	1476
25°	1475	1484	1491
30°	1483	1497	1502
35°	1486	1506	1506
40°	1482	1506	1497
45°	1467	1488	1470
50°	1437	1448	1421
55°	1382	1375	1349
60°	1286	1272	1245
65°	1134	1123	1102
70°	929	933	914
75°	704	728	722
80°	510	530	521
85°	333	346	371



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.6	3.3
10°-20°	147.7	9.6
20°-30°	230.3	15.0
30°-40°	285.5	18.6
40°-50°	298.7	19.4
50°-60°	260.3	16.9
60°-70°	174.4	11.3
70°-80°	75.6	4.9
80°-90°	14.5	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°	428.6	27.9
0°-40°	714.1	46.4
0°-60°	1273.1	82.8
0°-90°	1537.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1537.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	532	532	532	532	532	
5°	531	531	531	530	531	51
15°	523	522	522	523	524	148
25°	497	497	500	501	502	229
35°	452	454	458	459	458	283
45°	386	388	391	388	386	297
55°	294	294	293	290	288	262
65°	178	177	176	175	173	176
75°	68	69	70	69	69	75
85°	11	12	11	11	12	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	531.9	531.9	531.9	531.9	531.9
2.5°	532.5	531.5	531.4	531.4	531.9
5°	531.4	530.8	530.6	530.4	530.8
7.5°	530.2	529.5	529.6	529.3	529.6
10°	528.7	527.9	527.9	527.9	528.5
12.5°	526.0	525.5	525.7	526.0	526.8
15°	522.6	521.8	522.4	523.0	523.9
17.5°	517.9	517.3	518.2	519.2	519.9
20°	512.2	511.6	513.3	514.6	515.4
22.5°	505.1	504.9	507.2	508.7	509.3
25°	496.9	497.1	499.8	501.3	502.1
27.5°	487.6	488.0	491.4	492.8	493.5
30°	477.2	478.1	481.7	482.9	483.4
32.5°	465.4	466.7	471.1	471.9	471.9
35°	452.5	454.2	458.4	458.9	458.5
37.5°	438.0	439.9	444.7	443.9	443.3
40°	421.9	423.9	428.7	427.2	426.2
42.5°	404.6	406.6	410.8	408.5	407.2
45°	385.5	387.6	391.1	387.8	386.3
47.5°	365.0	367.5	369.2	365.6	363.7
50°	343.3	344.1	345.8	341.6	339.5
52.5°	319.8	319.8	321.1	316.5	314.1
55°	294.5	294.3	293.1	289.9	287.6
57.5°	267.7	266.5	265.8	262.4	259.7
60°	239.0	237.3	236.3	233.5	231.4
62.5°	208.9	208.0	206.8	204.6	202.3
65°	178.1	177.2	176.4	174.7	173.0
67.5°	147.5	147.0	147.0	145.8	145.6
70°	118.1	118.4	118.6	118.6	116.2
72.5°	91.4	91.6	92.6	91.8	91.6
75°	67.7	68.8	70.0	69.4	69.4
77.5°	48.7	50.4	50.4	50.0	49.4
80°	32.9	33.6	34.2	34.0	33.6
82.5°	20.9	21.5	20.9	21.3	21.5
85°	10.8	11.6	11.2	11.4	12.0
87.5°	3.6	4.0	4.2	4.0	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)