

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: P506186

Luminaire Tested: **22PD-20-PW1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506186
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-L950
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

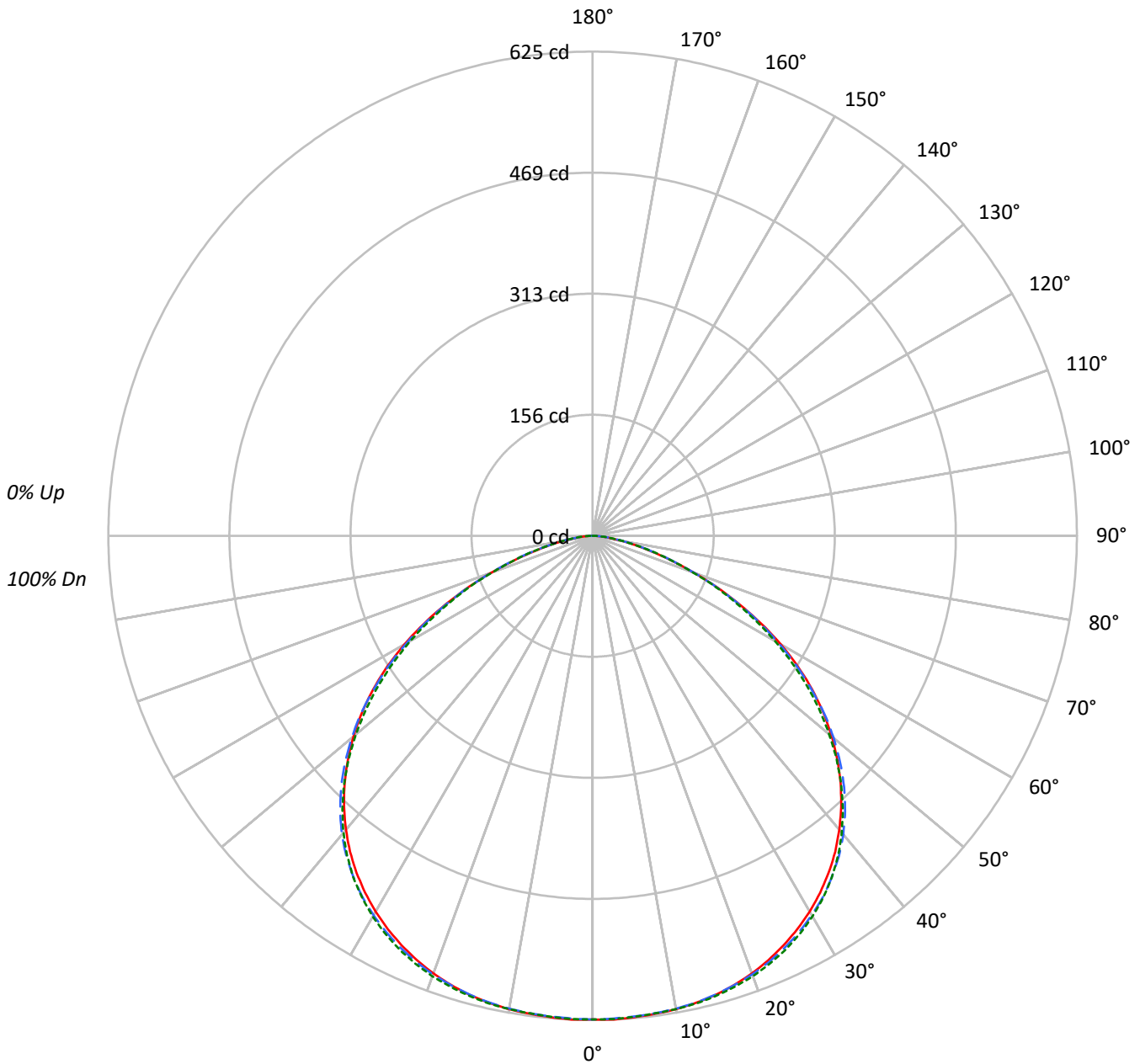
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1804.9 lumens
Efficiency: N/A
Efficacy: 112.1 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				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°	1680	1680	1680
5°	1685	1682	1683
10°	1696	1693	1695
15°	1709	1708	1713
20°	1722	1725	1733
25°	1732	1742	1750
30°	1740	1757	1763
35°	1745	1767	1768
40°	1740	1768	1757
45°	1722	1747	1726
50°	1687	1699	1669
55°	1622	1614	1584
60°	1510	1493	1462
65°	1331	1319	1293
70°	1090	1096	1073
75°	826	854	847
80°	598	623	612
85°	392	408	435



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	3.3
10°-20°	173.4	9.6
20°-30°	270.4	15.0
30°-40°	335.1	18.6
40°-50°	350.6	19.4
50°-60°	305.6	16.9
60°-70°	204.7	11.3
70°-80°	88.7	4.9
80°-90°	17.1	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°	503.1	27.9
0°-40°	838.2	46.4
0°-60°	1494.4	82.8
0°-90°	1804.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1804.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	624	624	624	624	624	
5°	624	623	623	623	623	59
15°	614	613	613	614	615	173
25°	583	584	587	588	589	269
35°	531	533	538	539	538	332
45°	453	455	459	455	454	349
55°	346	346	344	340	338	308
65°	209	208	207	205	203	207
75°	79	81	82	82	82	88
85°	13	14	13	13	14	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	624.4	624.4	624.4	624.4	624.4
2.5°	625.1	624.0	623.7	623.7	624.4
5°	623.7	623.1	622.8	622.6	623.1
7.5°	622.4	621.5	621.7	621.3	621.7
10°	620.6	619.7	619.7	619.7	620.4
12.5°	617.5	616.8	617.0	617.5	618.4
15°	613.5	612.6	613.2	613.9	615.0
17.5°	607.9	607.2	608.3	609.5	610.3
20°	601.2	600.5	602.5	604.1	605.0
22.5°	592.9	592.7	595.4	597.2	597.8
25°	583.3	583.6	586.7	588.5	589.4
27.5°	572.4	572.9	576.9	578.4	579.3
30°	560.1	561.2	565.5	566.8	567.5
32.5°	546.3	547.9	553.0	553.9	553.9
35°	531.1	533.1	538.0	538.7	538.3
37.5°	514.2	516.4	522.0	521.1	520.4
40°	495.2	497.6	503.2	501.4	500.3
42.5°	474.9	477.3	482.3	479.6	478.0
45°	452.6	455.0	459.0	455.2	453.5
47.5°	428.5	431.4	433.4	429.1	426.9
50°	403.0	403.9	405.9	401.0	398.6
52.5°	375.4	375.4	376.9	371.6	368.7
55°	345.7	345.5	344.1	340.3	337.6
57.5°	314.2	312.9	312.0	308.0	304.8
60°	280.5	278.5	277.4	274.0	271.6
62.5°	245.3	244.1	242.8	240.1	237.4
65°	209.1	208.0	207.1	205.1	203.1
67.5°	173.2	172.5	172.5	171.2	170.9
70°	138.6	139.0	139.3	139.3	136.4
72.5°	107.3	107.6	108.7	107.8	107.6
75°	79.4	80.8	82.1	81.5	81.5
77.5°	57.1	59.1	59.1	58.7	58.0
80°	38.6	39.5	40.2	39.9	39.5
82.5°	24.5	25.2	24.5	25.0	25.2
85°	12.7	13.6	13.2	13.4	14.1
87.5°	4.2	4.7	4.9	4.7	4.7
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)