

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: P505835

Luminaire Tested: **14PD-20-PW1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505835
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-20-PW1-L950
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

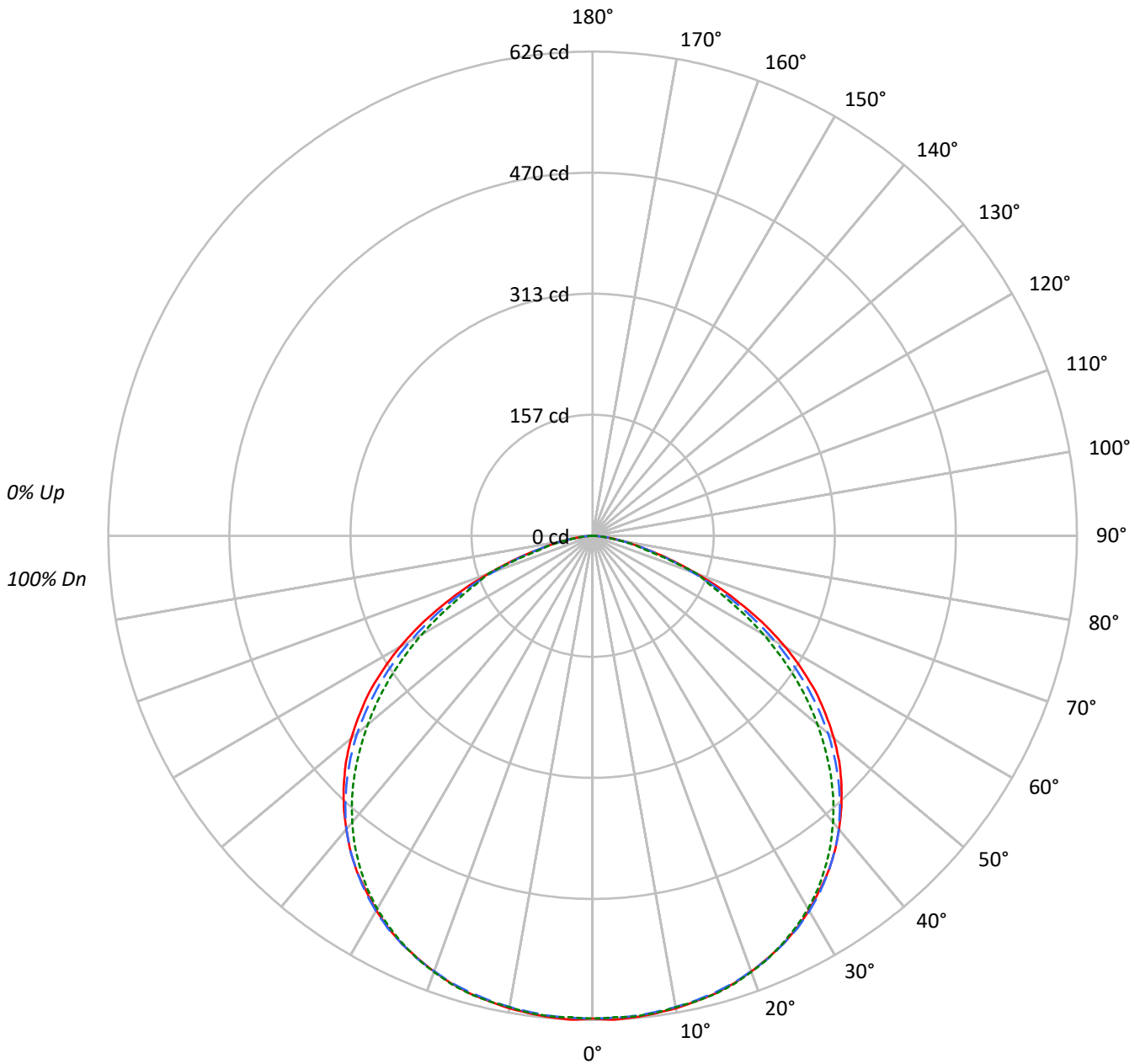
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1777.8 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 17.4
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			100
1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72			72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61			61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52			52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45			45
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39			39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35			35
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31			31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28			28
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1680	1680	1680
5°	1688	1683	1685
10°	1695	1690	1691
15°	1707	1703	1709
20°	1717	1716	1719
25°	1730	1730	1727
30°	1738	1741	1730
35°	1743	1743	1721
40°	1740	1739	1698
45°	1731	1711	1656
50°	1705	1663	1588
55°	1652	1582	1497
60°	1548	1462	1371
65°	1371	1292	1207
70°	1119	1069	1127
75°	844	829	744
80°	607	569	569
85°	383	358	315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	3.3
10°-20°	172.8	9.7
20°-30°	268.3	15.1
30°-40°	330.4	18.6
40°-50°	344.0	19.3
50°-60°	299.1	16.8
60°-70°	201.0	11.3
70°-80°	87.0	4.9
80°-90°	16.0	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°	500.4	28.1
0°-40°	830.8	46.7
0°-60°	1473.9	82.9
0°-90°	1777.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1777.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	624	624	624	624	624	
5°	625	621	623	625	624	59
15°	613	608	611	613	613	173
25°	583	580	583	583	582	268
35°	531	529	531	526	524	332
45°	455	453	450	439	435	350
55°	352	346	337	324	319	313
65°	215	211	203	193	190	213
75°	81	82	80	82	72	89
85°	12	13	12	10	10	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	624.2	624.2	624.2	624.2	624.2
2.5°	626.3	622.5	623.9	626.0	623.2
5°	624.9	621.1	623.2	624.6	623.9
7.5°	622.8	620.0	621.1	622.5	622.1
10°	620.3	617.5	618.6	620.0	618.9
12.5°	616.5	613.3	615.4	616.8	616.5
15°	612.6	608.4	611.2	613.3	613.3
17.5°	606.9	603.4	606.2	608.0	607.6
20°	599.5	597.1	599.2	600.6	600.2
22.5°	591.1	589.3	591.8	591.8	591.8
25°	582.6	579.8	582.6	582.6	581.5
27.5°	571.7	569.2	572.7	571.7	569.9
30°	559.3	557.9	560.4	558.6	556.8
32.5°	544.8	544.1	546.6	543.1	541.7
35°	530.7	529.3	530.7	526.1	524.0
37.5°	514.1	512.7	514.1	508.1	505.0
40°	495.4	494.4	495.1	487.3	483.4
42.5°	476.0	475.0	473.2	463.7	460.5
45°	454.9	453.4	449.6	439.3	435.1
47.5°	432.3	429.8	424.2	413.2	407.6
50°	407.2	403.7	397.3	385.3	379.3
52.5°	380.0	375.8	367.7	355.7	350.0
55°	352.2	345.8	337.3	323.9	319.0
57.5°	320.4	313.7	304.9	292.5	286.9
60°	287.6	280.9	271.7	260.4	254.8
62.5°	252.7	246.7	237.5	226.9	222.0
65°	215.3	211.4	202.9	193.4	189.5
67.5°	180.0	176.1	169.0	160.9	162.3
70°	142.2	141.9	135.9	130.2	143.3
72.5°	110.8	110.1	106.9	104.1	103.4
75°	81.2	81.9	79.7	81.5	71.6
77.5°	57.2	57.9	57.5	52.6	55.0
80°	39.2	39.2	36.7	34.9	36.7
82.5°	23.6	28.2	25.4	20.8	20.1
85°	12.4	12.7	11.6	10.2	10.2
87.5°	4.6	5.3	4.6	4.2	3.9
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)