

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: P505833

Luminaire Tested: **14PD-20-PW1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505833
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-L935
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

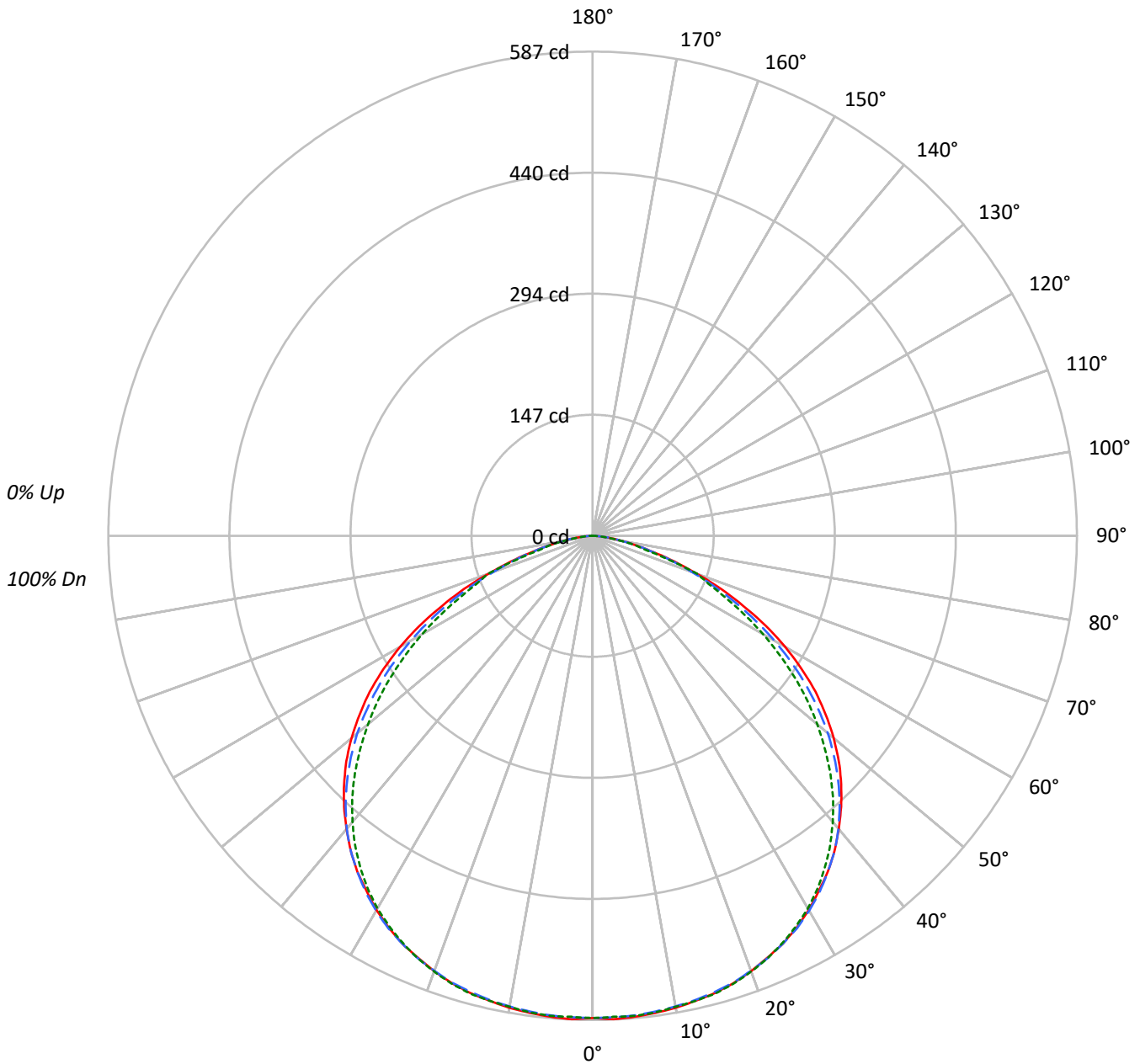
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1665.2 lumens
Efficiency: N/A
Efficacy: 95.7 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									
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	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	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°	1573	1573	1573
5°	1581	1577	1579
10°	1588	1583	1584
15°	1599	1595	1601
20°	1608	1607	1610
25°	1620	1620	1617
30°	1628	1631	1621
35°	1633	1633	1612
40°	1630	1629	1591
45°	1622	1603	1551
50°	1597	1558	1487
55°	1548	1483	1402
60°	1450	1370	1284
65°	1284	1210	1130
70°	1048	1002	1056
75°	790	777	698
80°	569	533	533
85°	358	337	296



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	3.3
10°-20°	161.9	9.7
20°-30°	251.3	15.1
30°-40°	309.5	18.6
40°-50°	322.2	19.3
50°-60°	280.2	16.8
60°-70°	188.2	11.3
70°-80°	81.5	4.9
80°-90°	15.0	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°	468.7	28.1
0°-40°	778.2	46.7
0°-60°	1380.6	82.9
0°-90°	1665.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1665.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	585	585	585	585	585	
5°	585	582	584	585	584	56
15°	574	570	572	574	574	162
25°	546	543	546	546	545	251
35°	497	496	497	493	491	311
45°	426	425	421	412	408	328
55°	330	324	316	303	299	293
65°	202	198	190	181	178	200
75°	76	77	75	76	67	84
85°	12	12	11	10	10	15
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	584.7	584.7	584.7	584.7	584.7
2.5°	586.7	583.1	584.4	586.4	583.7
5°	585.4	581.7	583.7	585.0	584.4
7.5°	583.4	580.7	581.7	583.1	582.7
10°	581.1	578.4	579.4	580.7	579.8
12.5°	577.4	574.5	576.4	577.8	577.4
15°	573.8	569.8	572.5	574.5	574.5
17.5°	568.5	565.2	567.9	569.5	569.2
20°	561.6	559.3	561.2	562.6	562.2
22.5°	553.6	552.0	554.3	554.3	554.3
25°	545.7	543.1	545.7	545.7	544.7
27.5°	535.5	533.1	536.5	535.5	533.8
30°	523.9	522.6	524.9	523.2	521.6
32.5°	510.3	509.7	512.0	508.7	507.4
35°	497.1	495.8	497.1	492.8	490.8
37.5°	481.6	480.3	481.6	476.0	473.0
40°	464.1	463.1	463.7	456.5	452.8
42.5°	445.9	444.9	443.2	434.3	431.3
45°	426.1	424.7	421.1	411.5	407.5
47.5°	404.9	402.6	397.3	387.1	381.8
50°	381.4	378.1	372.2	360.9	355.3
52.5°	356.0	352.0	344.4	333.2	327.9
55°	329.9	323.9	316.0	303.4	298.8
57.5°	300.1	293.8	285.6	274.0	268.7
60°	269.4	263.1	254.5	243.9	238.6
62.5°	236.7	231.0	222.4	212.5	207.9
65°	201.6	198.0	190.1	181.1	177.5
67.5°	168.6	164.9	158.3	150.7	152.0
70°	133.2	132.9	127.3	122.0	134.2
72.5°	103.8	103.1	100.2	97.5	96.8
75°	76.0	76.7	74.7	76.4	67.1
77.5°	53.5	54.2	53.9	49.2	51.6
80°	36.7	36.7	34.4	32.7	34.4
82.5°	22.1	26.4	23.8	19.5	18.8
85°	11.6	11.9	10.9	9.6	9.6
87.5°	4.3	5.0	4.3	4.0	3.6
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)