

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: P505831

Luminaire Tested: **14PD-20-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505831
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-L927
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

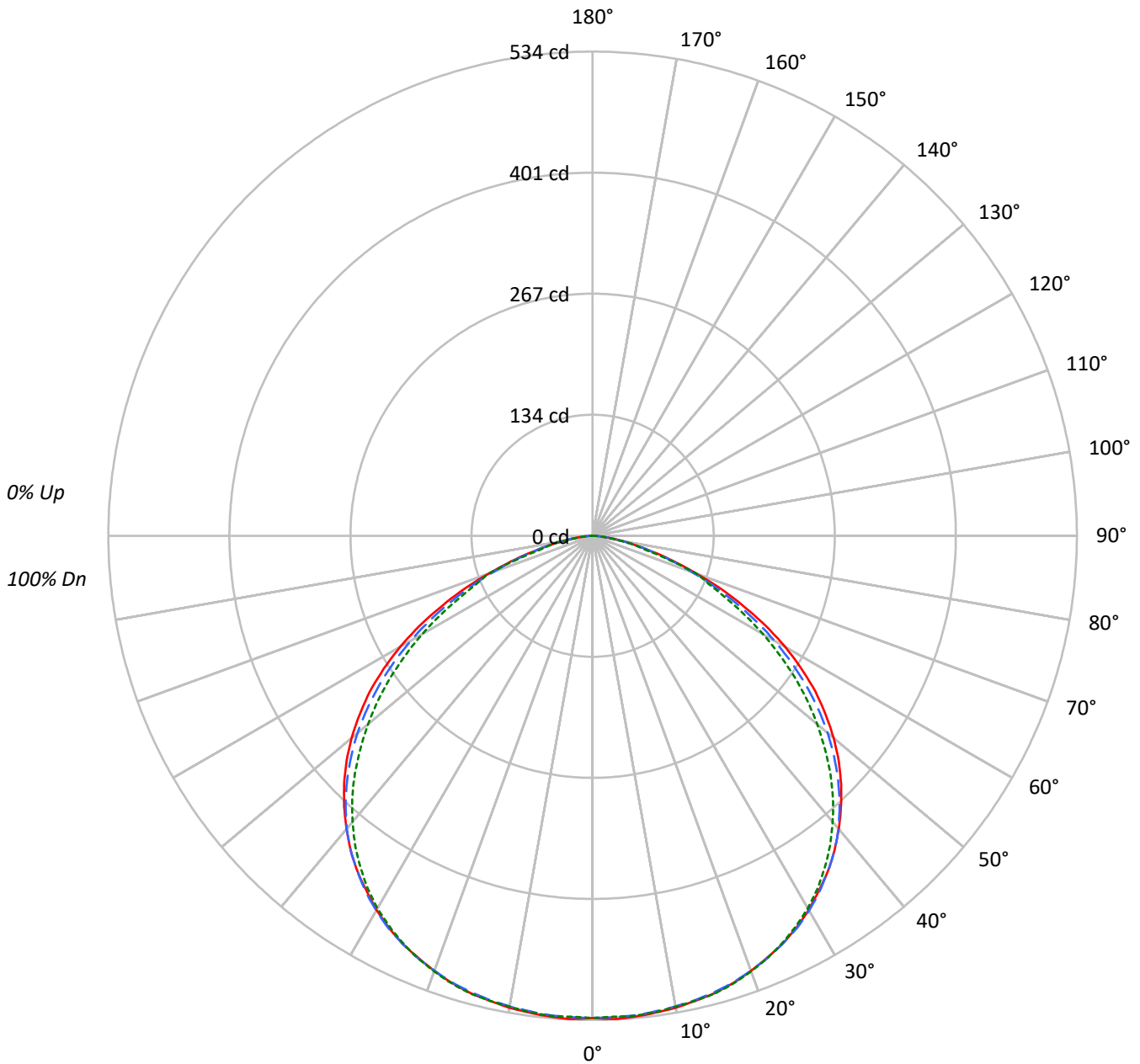
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1514.5 lumens
Efficiency: N/A
Efficacy: 87.0 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

TEST NUMBER: P505831
CATALOG NUMBER: 14PD-20-PW1-L927

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	45	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°	1431	1431	1431
5°	1438	1434	1436
10°	1444	1440	1441
15°	1454	1451	1456
20°	1462	1462	1464
25°	1474	1474	1471
30°	1481	1483	1474
35°	1485	1485	1466
40°	1483	1482	1447
45°	1475	1458	1411
50°	1452	1417	1353
55°	1407	1348	1275
60°	1319	1246	1168
65°	1168	1101	1028
70°	953	910	960
75°	718	706	634
80°	518	485	485
85°	324	306	269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.6	3.3
10°-20°	147.2	9.7
20°-30°	228.5	15.1
30°-40°	281.5	18.6
40°-50°	293.0	19.3
50°-60°	254.8	16.8
60°-70°	171.2	11.3
70°-80°	74.1	4.9
80°-90°	13.6	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°	426.3	28.1
0°-40°	707.7	46.7
0°-60°	1255.6	82.9
0°-90°	1514.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1514.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	532	532	532	532	532	
5°	532	529	531	532	532	51
15°	522	518	521	522	522	147
25°	496	494	496	496	495	229
35°	452	451	452	448	446	283
45°	388	386	383	374	371	298
55°	300	295	287	276	272	267
65°	183	180	173	165	161	182
75°	69	70	68	69	61	76
85°	10	11	10	9	9	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	531.8	531.8	531.8	531.8	531.8
2.5°	533.6	530.3	531.5	533.3	530.9
5°	532.4	529.1	530.9	532.1	531.5
7.5°	530.6	528.2	529.1	530.3	530.0
10°	528.5	526.1	527.0	528.2	527.3
12.5°	525.2	522.5	524.3	525.5	525.2
15°	521.9	518.3	520.7	522.5	522.5
17.5°	517.0	514.0	516.4	518.0	517.6
20°	510.7	508.6	510.4	511.6	511.3
22.5°	503.5	502.0	504.1	504.1	504.1
25°	496.3	493.9	496.3	496.3	495.4
27.5°	487.0	484.9	487.9	487.0	485.5
30°	476.5	475.3	477.4	475.9	474.4
32.5°	464.1	463.5	465.6	462.6	461.4
35°	452.1	450.9	452.1	448.2	446.4
37.5°	438.0	436.8	438.0	432.9	430.2
40°	422.1	421.2	421.8	415.1	411.8
42.5°	405.5	404.6	403.1	395.0	392.3
45°	387.5	386.3	383.0	374.3	370.7
47.5°	368.2	366.1	361.3	352.0	347.2
50°	346.9	343.9	338.5	328.3	323.2
52.5°	323.8	320.1	313.2	303.0	298.2
55°	300.0	294.6	287.4	276.0	271.8
57.5°	273.0	267.2	259.7	249.2	244.4
60°	245.0	239.3	231.5	221.8	217.0
62.5°	215.2	210.1	202.3	193.3	189.1
65°	183.4	180.1	172.9	164.7	161.4
67.5°	153.3	150.0	144.0	137.1	138.3
70°	121.1	120.8	115.7	110.9	122.0
72.5°	94.4	93.8	91.1	88.7	88.1
75°	69.1	69.7	67.9	69.4	61.0
77.5°	48.7	49.3	49.0	44.8	46.9
80°	33.4	33.4	31.3	29.8	31.3
82.5°	20.1	24.0	21.6	17.7	17.1
85°	10.5	10.8	9.9	8.7	8.7
87.5°	3.9	4.5	3.9	3.6	3.3
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)