

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: P505813

Luminaire Tested: **14PD-20-PL1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-20-PL1-L927
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

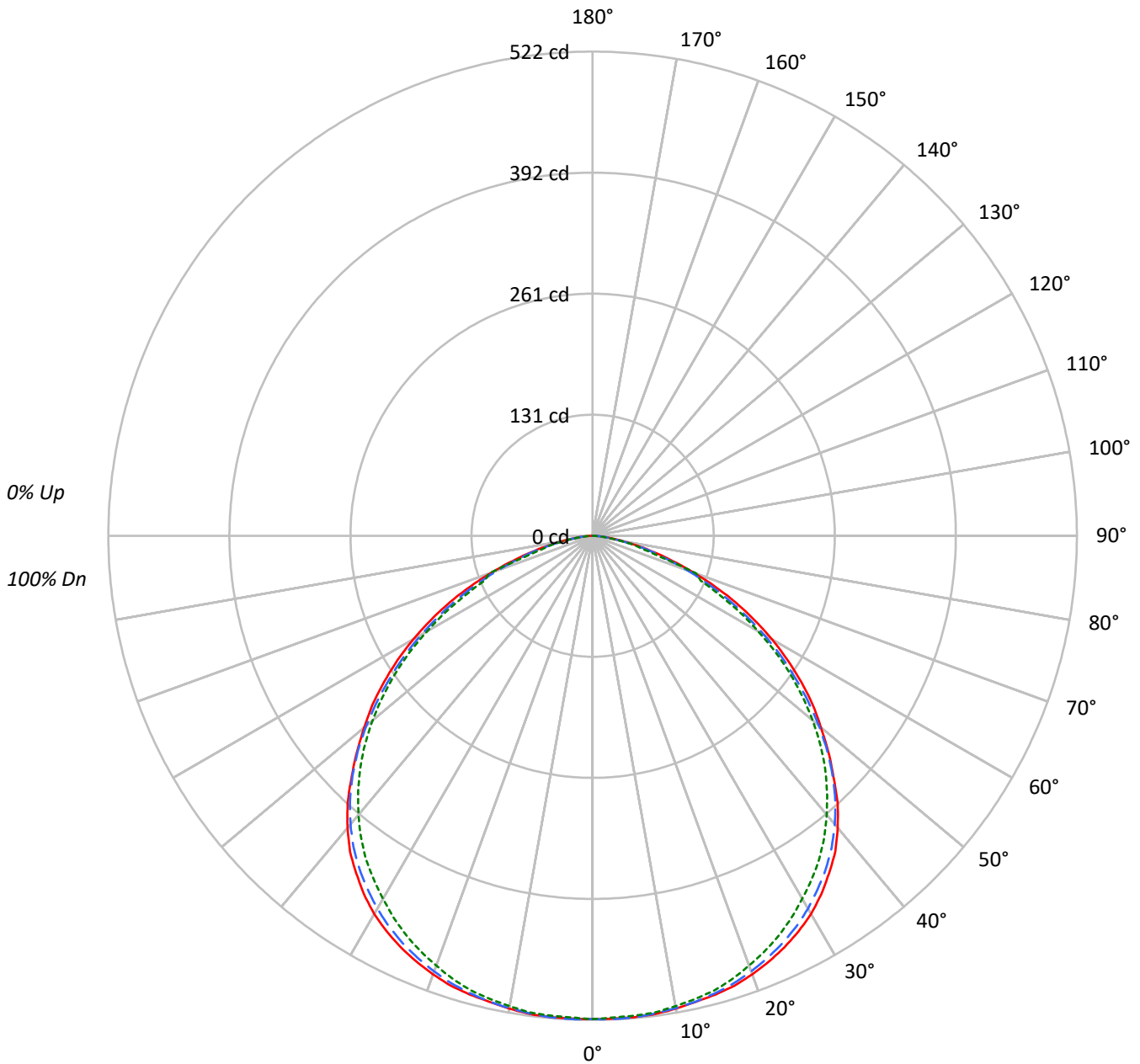
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1448.4 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
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	98	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	78	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1402	1402	1402
5°	1407	1408	1403
10°	1415	1413	1407
15°	1426	1422	1414
20°	1441	1431	1412
25°	1453	1439	1412
30°	1463	1442	1404
35°	1459	1440	1399
40°	1444	1427	1379
45°	1397	1393	1348
50°	1344	1332	1297
55°	1286	1249	1220
60°	1201	1147	1109
65°	1082	1015	960
70°	905	849	932
75°	714	687	595
80°	514	457	465
85°	327	275	256



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.6	3.4
10°-20°	144.0	9.9
20°-30°	222.7	15.4
30°-40°	272.5	18.8
40°-50°	279.4	19.3
50°-60°	238.0	16.4
60°-70°	159.0	11.0
70°-80°	70.5	4.9
80°-90°	12.7	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°	416.3	28.7
0°-40°	688.8	47.6
0°-60°	1206.2	83.3
0°-90°	1448.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1448.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	521	521	521	521	521	
5°	521	520	521	521	519	50
15°	512	510	511	509	507	145
25°	489	488	484	478	475	226
35°	444	443	438	429	426	278
45°	367	368	366	358	354	283
55°	274	273	266	261	260	245
65°	170	169	159	152	151	168
75°	69	70	66	66	57	74
85°	11	10	9	9	8	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	521.1	521.1	521.1	521.1	521.1
2.5°	521.1	520.3	521.7	522.3	519.7
5°	520.9	519.7	521.1	520.9	519.4
7.5°	520.0	518.0	519.4	518.9	518.3
10°	517.7	516.0	517.1	516.3	514.9
12.5°	514.6	513.4	514.3	513.4	511.4
15°	512.0	510.3	510.6	509.1	507.4
17.5°	508.6	506.0	506.0	503.1	501.1
20°	503.1	500.8	499.7	495.7	493.1
22.5°	496.8	495.1	492.8	487.7	484.8
25°	489.4	487.7	484.5	478.2	475.4
27.5°	480.8	478.5	475.1	467.6	464.2
30°	470.8	467.9	464.2	455.9	451.9
32.5°	458.5	456.5	451.6	443.0	439.3
35°	444.2	443.0	438.4	428.7	425.8
37.5°	429.6	427.3	423.3	413.0	410.1
40°	411.0	409.5	406.1	396.1	392.6
42.5°	390.9	390.1	387.2	377.8	374.0
45°	367.2	368.3	366.0	357.7	354.3
47.5°	344.6	344.0	343.1	335.7	332.8
50°	321.1	320.0	318.2	312.2	309.7
52.5°	299.1	296.8	292.2	287.0	285.3
55°	274.2	272.7	266.2	260.7	260.1
57.5°	249.0	248.1	240.1	233.8	233.8
60°	223.2	222.1	213.2	206.6	206.1
62.5°	196.3	195.5	186.3	178.9	179.2
65°	170.0	168.6	159.4	152.3	150.8
67.5°	142.5	141.9	133.1	126.5	125.9
70°	115.0	115.0	107.9	102.2	118.5
72.5°	90.7	89.9	84.1	81.6	77.8
75°	68.7	69.5	66.1	66.4	57.2
77.5°	48.9	47.5	46.1	42.9	45.5
80°	33.2	32.3	29.5	28.6	30.0
82.5°	20.6	20.9	18.3	16.6	16.3
85°	10.6	10.3	8.9	8.6	8.3
87.5°	4.0	4.3	3.7	3.4	3.1
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)