

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: P506038

Luminaire Tested: **14PD-60-PR1-L927**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506038  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-60-PR1-L927  
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
2700K LEDS  
Light Source: -  
Ballast/Driver: -

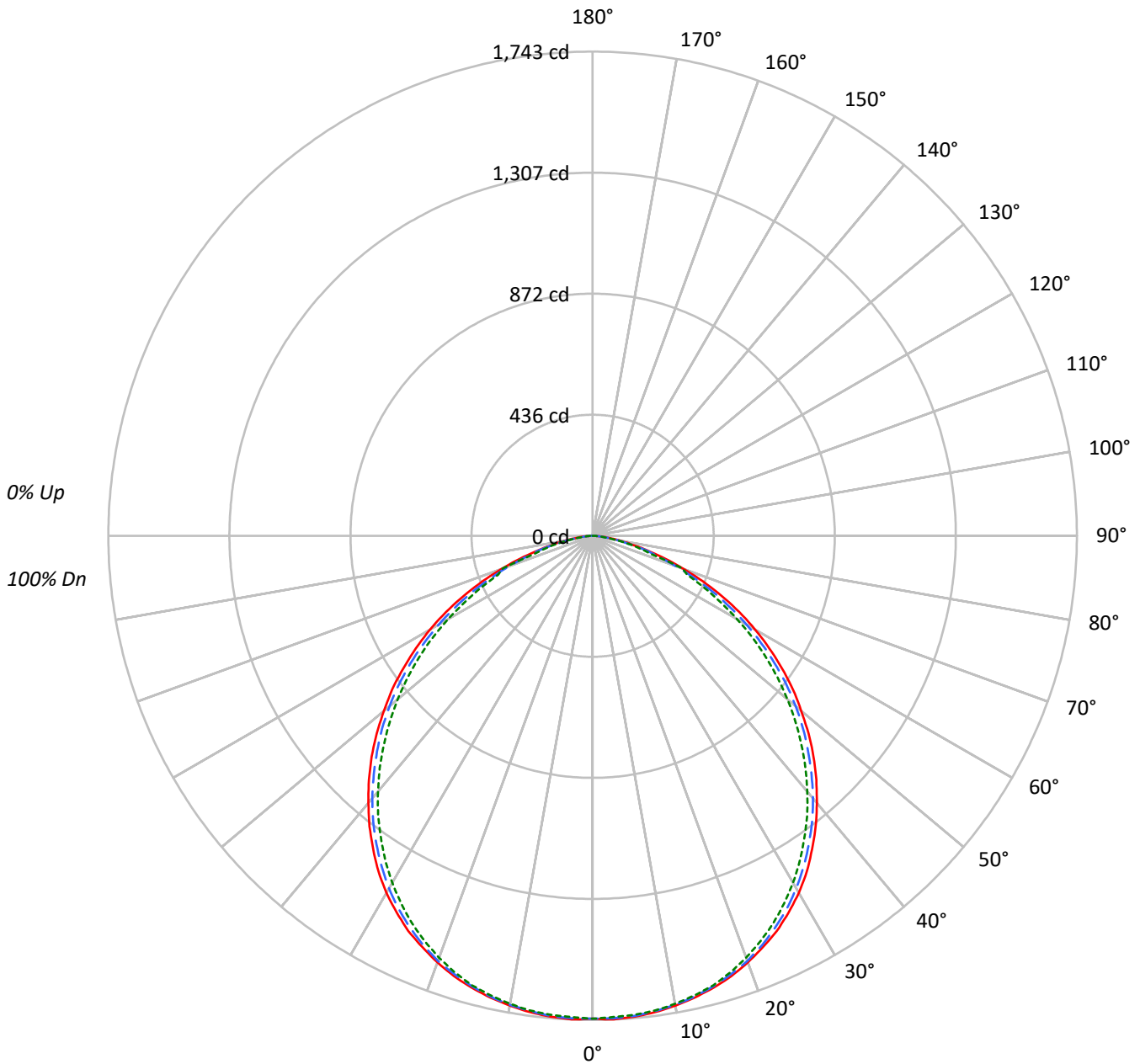
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4474.0 lumens  
Efficiency: N/A  
Efficacy: 75.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 59.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4678	4678	4678
5°	4694	4687	4675
10°	4694	4685	4675
15°	4692	4678	4668
20°	4680	4663	4628
25°	4661	4620	4569
30°	4613	4554	4482
35°	4523	4455	4365
40°	4410	4334	4222
45°	4279	4175	4043
50°	4102	3994	3832
55°	3902	3749	3571
60°	3633	3443	3230
65°	3262	3032	2835
70°	2744	2500	2703
75°	2113	2033	1827
80°	1522	1361	1294
85°	929	797	716



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.8	3.7
10°-20°	473.4	10.6
20°-30°	715.1	16.0
30°-40°	846.0	18.9
40°-50°	843.5	18.9
50°-60°	712.6	15.9
60°-70°	474.8	10.6
70°-80°	206.3	4.6
80°-90°	37.4	0.8
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°	1353.3	30.2
0°-40°	2199.3	49.2
0°-60°	3755.5	83.9
0°-90°	4474.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4474.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1738	1738	1738	1738	1738	
5°	1738	1731	1735	1733	1731	165
15°	1684	1676	1679	1676	1676	475
25°	1570	1559	1556	1542	1539	722
35°	1377	1367	1356	1338	1329	861
45°	1124	1114	1097	1074	1062	866
55°	832	826	799	773	761	743
65°	512	506	476	456	445	506
75°	203	199	196	189	176	222
85°	30	31	26	24	23	41
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1738.5	1738.5	1738.5	1738.5	1738.5
2.5°	1742.8	1735.0	1738.5	1738.5	1734.2
5°	1737.6	1730.7	1735.0	1733.3	1730.7
7.5°	1729.9	1723.0	1725.6	1724.7	1723.8
10°	1717.8	1710.9	1714.4	1712.6	1710.9
12.5°	1702.3	1695.4	1698.9	1696.3	1694.6
15°	1684.2	1676.5	1679.1	1676.5	1675.6
17.5°	1661.8	1654.1	1655.0	1651.5	1648.1
20°	1634.3	1627.4	1628.3	1619.6	1616.2
22.5°	1602.4	1595.5	1594.7	1583.5	1579.2
25°	1569.7	1559.4	1555.9	1542.2	1538.7
27.5°	1528.4	1518.9	1513.7	1499.1	1492.2
30°	1484.5	1474.1	1465.5	1449.2	1442.3
32.5°	1434.5	1424.2	1413.0	1395.8	1388.0
35°	1376.8	1367.4	1356.2	1338.1	1328.6
37.5°	1319.1	1308.8	1297.6	1276.1	1268.3
40°	1255.4	1246.0	1233.9	1210.6	1202.0
42.5°	1191.7	1180.5	1165.9	1143.5	1134.0
45°	1124.5	1114.2	1097.0	1073.7	1062.5
47.5°	1053.9	1045.3	1027.2	1002.3	990.2
50°	979.9	973.0	954.1	926.5	915.3
52.5°	909.3	899.8	878.3	850.7	838.7
55°	831.8	825.8	799.1	773.2	761.2
57.5°	754.3	746.5	719.8	694.0	682.8
60°	675.1	668.2	639.8	613.9	600.2
62.5°	595.0	587.2	557.1	533.9	520.9
65°	512.3	506.3	476.2	455.5	445.2
67.5°	429.7	425.4	393.5	376.3	368.5
70°	348.7	342.7	317.7	310.8	343.6
72.5°	273.8	266.1	244.5	233.3	224.7
75°	203.2	198.9	195.5	188.6	175.7
77.5°	142.9	142.1	130.0	120.5	130.0
80°	98.2	101.6	87.8	80.1	83.5
82.5°	60.3	67.2	52.5	46.5	44.8
85°	30.1	31.0	25.8	24.1	23.2
87.5°	11.2	12.9	11.2	9.5	9.5
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)