

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: P506012

Luminaire Tested: **14PD-55-PR1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506012
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-55-PR1-L930
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

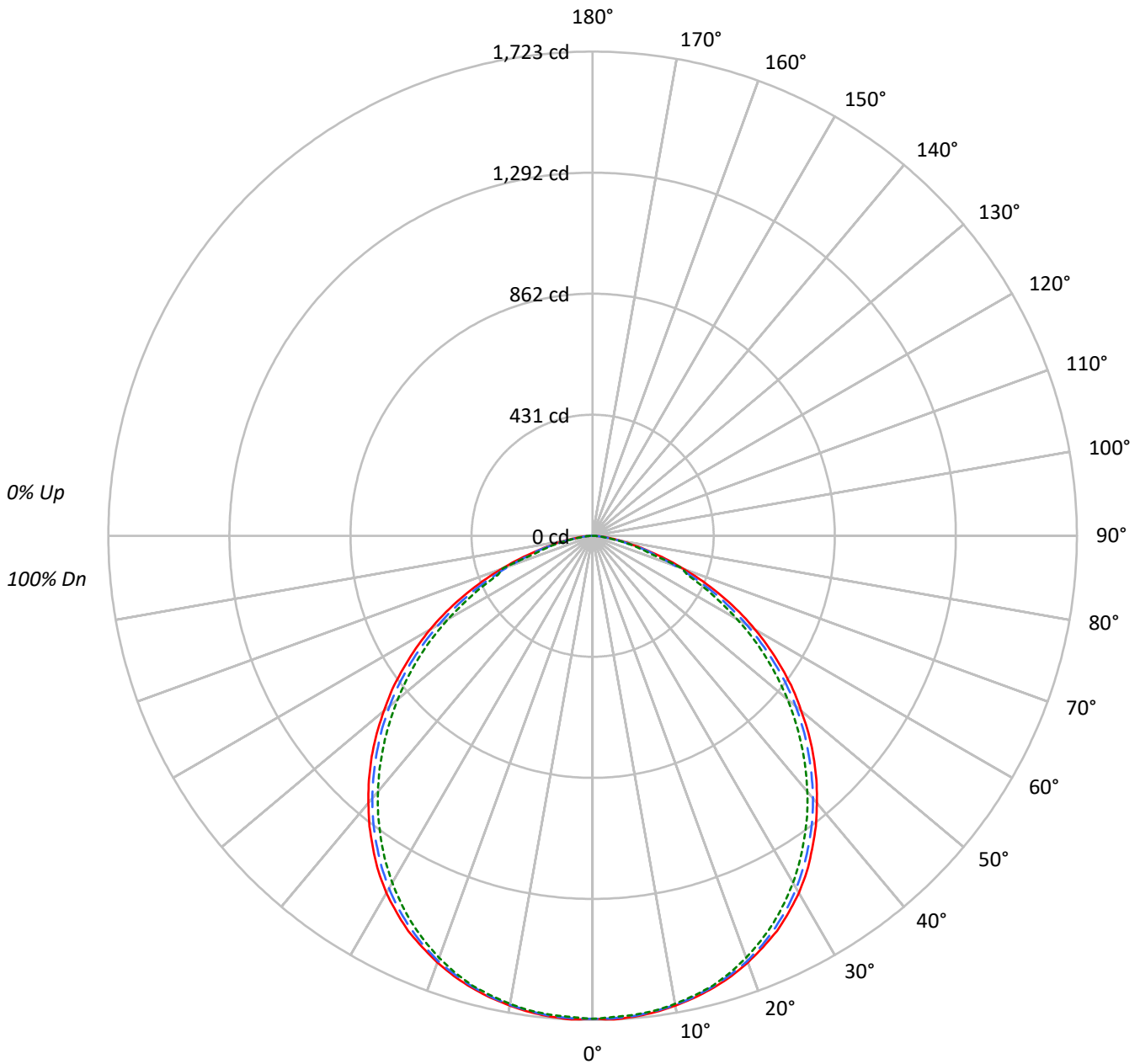
Lumens per Lamp: N/A
Luminaire Lumens: 4423.0 lumens
Efficiency: N/A
Efficacy: 81.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.1
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	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°	4625	4625	4625
5°	4640	4633	4622
10°	4640	4631	4622
15°	4639	4624	4615
20°	4627	4610	4576
25°	4608	4567	4517
30°	4560	4502	4430
35°	4471	4404	4315
40°	4360	4285	4174
45°	4231	4127	3997
50°	4055	3949	3788
55°	3858	3706	3530
60°	3592	3404	3193
65°	3225	2997	2802
70°	2713	2471	2672
75°	2089	2009	1806
80°	1503	1345	1280
85°	920	787	710



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.9	3.7
10°-20°	468.0	10.6
20°-30°	706.9	16.0
30°-40°	836.4	18.9
40°-50°	833.9	18.9
50°-60°	704.5	15.9
60°-70°	469.4	10.6
70°-80°	203.9	4.6
80°-90°	37.0	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°	1337.9	30.2
0°-40°	2174.3	49.2
0°-60°	3712.7	83.9
0°-90°	4423.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4423.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1719	1719	1719	1719	1719	
5°	1718	1711	1715	1714	1711	163
15°	1665	1657	1660	1657	1656	470
25°	1552	1542	1538	1525	1521	714
35°	1361	1352	1341	1323	1314	851
45°	1112	1102	1084	1062	1050	856
55°	822	816	790	764	752	734
65°	506	500	471	450	440	501
75°	201	197	193	186	174	220
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°	1718.7	1718.7	1718.7	1718.7	1718.7
2.5°	1722.9	1715.3	1718.7	1718.7	1714.4
5°	1717.8	1711.0	1715.3	1713.6	1711.0
7.5°	1710.1	1703.3	1705.9	1705.0	1704.2
10°	1698.2	1691.4	1694.8	1693.1	1691.4
12.5°	1682.9	1676.1	1679.5	1676.9	1675.2
15°	1665.0	1657.4	1659.9	1657.4	1656.5
17.5°	1642.9	1635.2	1636.1	1632.7	1629.3
20°	1615.7	1608.8	1609.7	1601.2	1597.8
22.5°	1584.2	1577.4	1576.5	1565.4	1561.2
25°	1551.8	1541.6	1538.2	1524.6	1521.2
27.5°	1511.0	1501.6	1496.5	1482.0	1475.2
30°	1467.5	1457.3	1448.8	1432.6	1425.8
32.5°	1418.2	1408.0	1396.9	1379.9	1372.2
35°	1361.1	1351.8	1340.7	1322.8	1313.5
37.5°	1304.1	1293.9	1282.8	1261.5	1253.9
40°	1241.1	1231.7	1219.8	1196.8	1188.3
42.5°	1178.1	1167.1	1152.6	1130.4	1121.1
45°	1111.7	1101.5	1084.5	1061.5	1050.4
47.5°	1041.9	1033.4	1015.5	990.8	978.9
50°	968.7	961.9	943.2	915.9	904.9
52.5°	898.9	889.5	868.3	841.0	829.1
55°	822.3	816.3	790.0	764.4	752.5
57.5°	745.7	738.0	711.6	686.1	675.0
60°	667.4	660.6	632.5	606.9	593.3
62.5°	588.2	580.5	550.8	527.8	515.0
65°	506.5	500.5	470.7	450.3	440.1
67.5°	424.8	420.5	389.0	372.0	364.3
70°	344.8	338.8	314.1	307.3	339.6
72.5°	270.7	263.0	241.8	230.7	222.2
75°	200.9	196.6	193.2	186.4	173.7
77.5°	141.3	140.5	128.5	119.2	128.5
80°	97.0	100.4	86.8	79.2	82.6
82.5°	59.6	66.4	51.9	46.0	44.3
85°	29.8	30.6	25.5	23.8	23.0
87.5°	11.1	12.8	11.1	9.4	9.4
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)