

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: P506032

Luminaire Tested: **14PD-60-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506032
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-60-PL1-L940
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

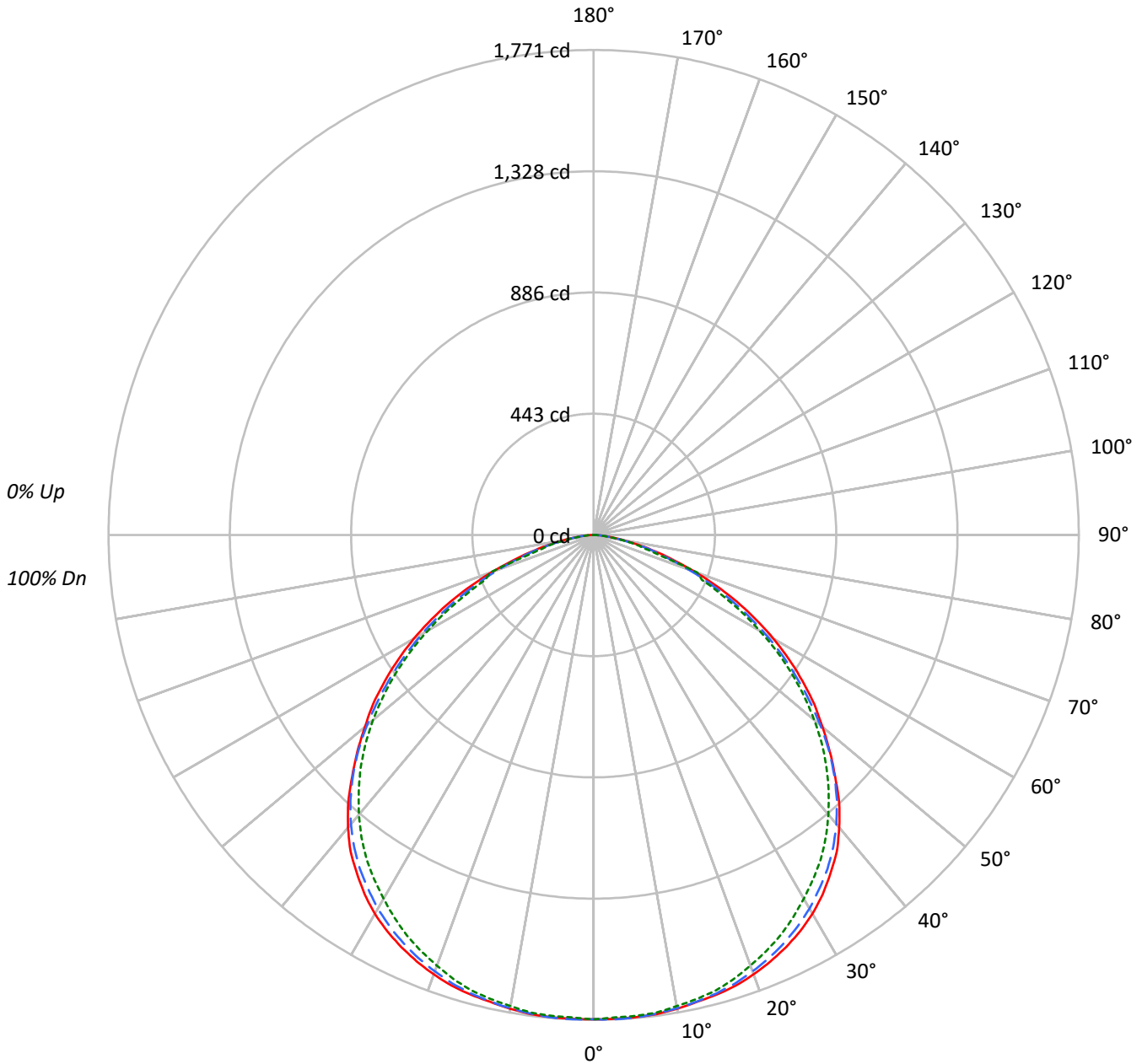
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4916.3 lumens
Efficiency: N/A
Efficacy: 82.9 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): 59.3
Input Voltage (V): NR
Input Current (Ain): 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				20				
RC	80				70				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	100	100	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85	85	85	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72	72	72	72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61	61	61	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52	52	52	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45	45	45	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40	40	40	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35	35	35	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31	31	31	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28	28	28	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25	25	25	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4760	4760	4760
5°	4776	4778	4762
10°	4802	4796	4775
15°	4841	4828	4798
20°	4890	4857	4793
25°	4932	4883	4790
30°	4965	4896	4766
35°	4953	4889	4748
40°	4900	4842	4682
45°	4743	4728	4577
50°	4563	4522	4400
55°	4366	4238	4143
60°	4078	3895	3764
65°	3674	3445	3259
70°	3072	2881	3164
75°	2424	2333	2020
80°	1746	1551	1581
85°	1108	929	871



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.2	3.4
10°-20°	488.8	9.9
20°-30°	755.8	15.4
30°-40°	925.1	18.8
40°-50°	948.4	19.3
50°-60°	807.7	16.4
60°-70°	539.8	11.0
70°-80°	239.2	4.9
80°-90°	43.3	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°	1412.9	28.7
0°-40°	2337.9	47.6
0°-60°	4094.0	83.3
0°-90°	4916.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4916.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1769	1769	1769	1769	1769	
5°	1768	1764	1769	1768	1763	168
15°	1738	1732	1733	1728	1722	491
25°	1661	1655	1644	1623	1613	766
35°	1508	1504	1488	1455	1445	943
45°	1246	1250	1242	1214	1203	962
55°	931	926	903	885	883	830
65°	577	572	541	517	512	569
75°	233	236	224	225	194	252
85°	36	35	30	29	28	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1768.9	1768.9	1768.9	1768.9	1768.9
2.5°	1768.9	1765.9	1770.8	1772.7	1764.0
5°	1767.9	1764.0	1768.9	1767.9	1763.0
7.5°	1765.0	1758.2	1763.0	1761.1	1759.1
10°	1757.2	1751.4	1755.3	1752.3	1747.5
12.5°	1746.5	1742.6	1745.5	1742.6	1735.8
15°	1737.8	1731.9	1732.9	1728.1	1722.2
17.5°	1726.1	1717.4	1717.4	1707.7	1700.9
20°	1707.7	1699.9	1696.0	1682.4	1673.7
22.5°	1686.3	1680.5	1672.7	1655.2	1645.5
25°	1661.0	1655.2	1644.5	1623.2	1613.4
27.5°	1631.9	1624.1	1612.5	1587.2	1575.6
30°	1597.9	1588.2	1575.6	1547.4	1533.8
32.5°	1556.1	1549.3	1532.8	1503.7	1491.1
35°	1507.6	1503.7	1488.1	1455.1	1445.4
37.5°	1458.0	1450.3	1436.7	1401.7	1392.0
40°	1394.9	1390.0	1378.4	1344.4	1332.7
42.5°	1326.9	1324.0	1314.3	1282.2	1269.6
45°	1246.3	1250.2	1242.4	1214.2	1202.6
47.5°	1169.5	1167.6	1164.7	1139.4	1129.7
50°	1089.9	1086.0	1080.2	1059.8	1051.0
52.5°	1015.1	1007.3	991.8	974.3	968.5
55°	930.6	925.7	903.4	884.9	883.0
57.5°	845.1	842.2	815.0	793.6	793.6
60°	757.7	753.8	723.7	701.3	699.4
62.5°	666.4	663.4	632.4	607.1	608.1
65°	577.0	572.1	541.1	516.8	511.9
67.5°	483.7	481.8	451.7	429.3	427.4
70°	390.5	390.5	366.2	346.8	402.1
72.5°	307.9	305.0	285.6	276.8	264.2
75°	233.1	236.0	224.4	225.4	194.3
77.5°	166.1	161.2	156.4	145.7	154.4
80°	112.7	109.8	100.1	97.1	102.0
82.5°	69.9	70.9	62.2	56.3	55.4
85°	35.9	35.0	30.1	29.1	28.2
87.5°	13.6	14.6	12.6	11.7	10.7
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)