

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: P506013

Luminaire Tested: **14PD-55-PR1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506013
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-L935
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

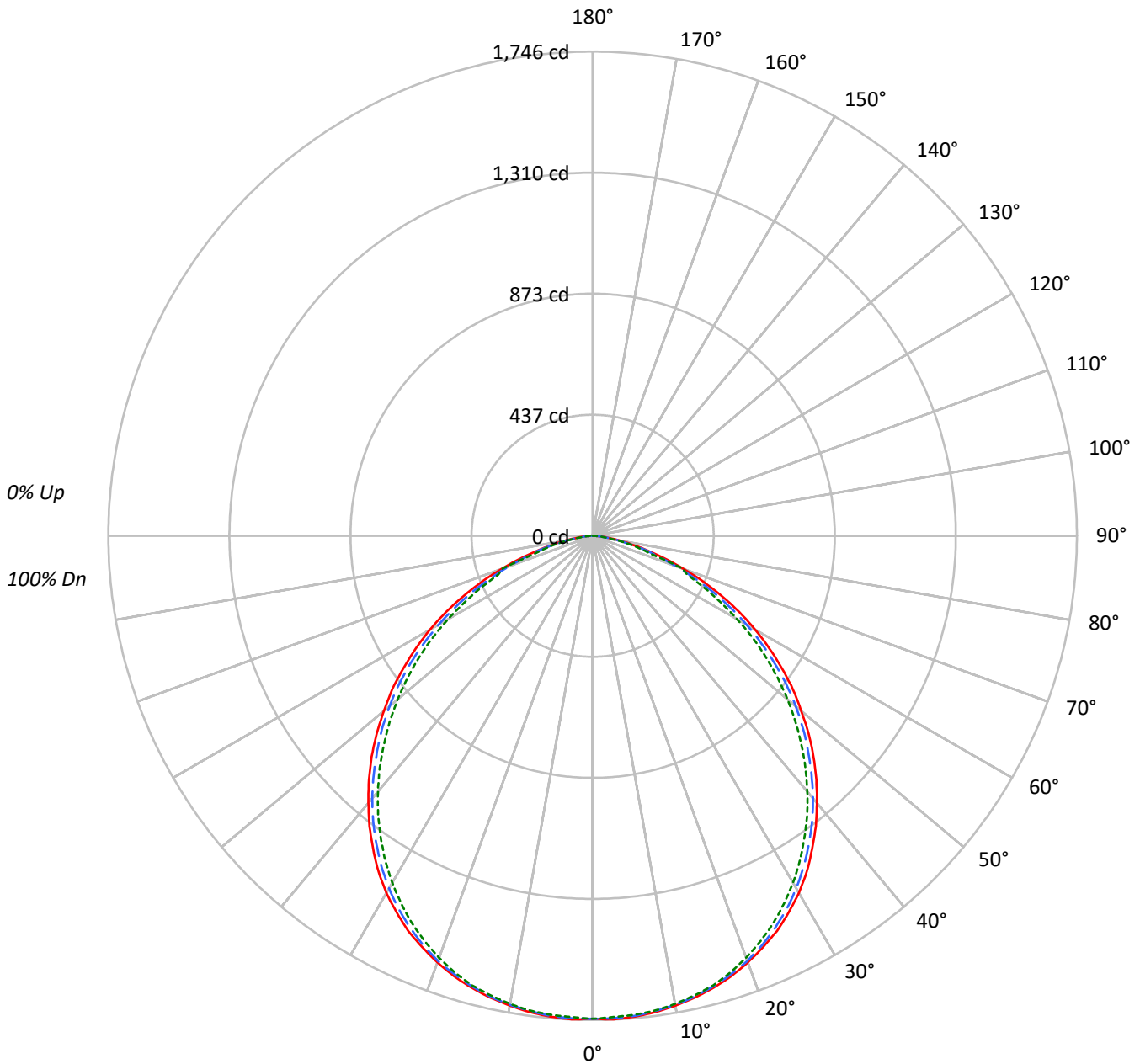
Lumens per Lamp: N/A
Luminaire Lumens: 4482.0 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P506013

CATALOG NUMBER: 14PD-55-PR1-L935

Luminous Intensity Polar Plot





TEST NUMBER: P506013

CATALOG NUMBER: 14PD-55-PR1-L935

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								
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°	4687	4687	4687
5°	4702	4695	4683
10°	4702	4693	4683
15°	4700	4686	4676
20°	4688	4671	4637
25°	4669	4628	4577
30°	4621	4562	4490
35°	4531	4463	4372
40°	4418	4342	4230
45°	4287	4182	4051
50°	4109	4001	3839
55°	3909	3756	3577
60°	3640	3449	3236
65°	3268	3037	2840
70°	2749	2504	2708
75°	2117	2036	1830
80°	1523	1364	1297
85°	932	800	719



TEST NUMBER: P506013

CATALOG NUMBER: 14PD-55-PR1-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.1	3.7
10°-20°	474.3	10.6
20°-30°	716.4	16.0
30°-40°	847.5	18.9
40°-50°	845.0	18.9
50°-60°	713.9	15.9
60°-70°	475.7	10.6
70°-80°	206.7	4.6
80°-90°	37.5	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°	1355.7	30.2
0°-40°	2203.3	49.2
0°-60°	3762.2	83.9
0°-90°	4482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4482.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1742	1742	1742	1742	1742	
5°	1741	1734	1738	1736	1734	166
15°	1687	1680	1682	1680	1679	476
25°	1572	1562	1559	1545	1542	724
35°	1379	1370	1359	1340	1331	863
45°	1127	1116	1099	1076	1064	868
55°	833	827	800	775	762	744
65°	513	507	477	456	446	507
75°	204	199	196	189	176	222
85°	30	31	26	24	23	41
90°	0	0	0	0	0	



TEST NUMBER: P506013

CATALOG NUMBER: 14PD-55-PR1-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1741.6	1741.6	1741.6	1741.6	1741.6
2.5°	1745.9	1738.1	1741.6	1741.6	1737.3
5°	1740.7	1733.8	1738.1	1736.4	1733.8
7.5°	1733.0	1726.1	1728.6	1727.8	1726.9
10°	1720.9	1714.0	1717.4	1715.7	1714.0
12.5°	1705.4	1698.5	1701.9	1699.3	1697.6
15°	1687.2	1679.5	1682.1	1679.5	1678.6
17.5°	1664.8	1657.0	1657.9	1654.5	1651.0
20°	1637.2	1630.3	1631.2	1622.5	1619.1
22.5°	1605.3	1598.4	1597.5	1586.3	1582.0
25°	1572.5	1562.2	1558.7	1544.9	1541.5
27.5°	1531.1	1521.6	1516.4	1501.8	1494.9
30°	1487.1	1476.8	1468.1	1451.8	1444.9
32.5°	1437.1	1426.7	1415.5	1398.3	1390.5
35°	1379.3	1369.8	1358.6	1340.5	1331.0
37.5°	1321.5	1311.1	1299.9	1278.4	1270.6
40°	1257.7	1248.2	1236.1	1212.8	1204.2
42.5°	1193.8	1182.6	1168.0	1145.5	1136.0
45°	1126.6	1116.2	1098.9	1075.7	1064.4
47.5°	1055.8	1047.2	1029.1	1004.1	992.0
50°	981.6	974.7	955.8	928.2	916.9
52.5°	910.9	901.4	879.8	852.2	840.2
55°	833.3	827.2	800.5	774.6	762.5
57.5°	755.6	747.9	721.1	695.3	684.0
60°	676.3	669.4	640.9	615.0	601.2
62.5°	596.1	588.3	558.1	534.8	521.9
65°	513.2	507.2	477.0	456.3	446.0
67.5°	430.4	426.1	394.2	377.0	369.2
70°	349.4	343.3	318.3	311.4	344.2
72.5°	274.3	266.5	245.0	233.8	225.1
75°	203.6	199.3	195.8	188.9	176.0
77.5°	143.2	142.3	130.3	120.8	130.3
80°	98.3	101.8	88.0	80.2	83.7
82.5°	60.4	67.3	52.6	46.6	44.9
85°	30.2	31.1	25.9	24.2	23.3
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)