

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: P506005

Luminaire Tested: **14PD-55-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506005
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-55-PL1-L940
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

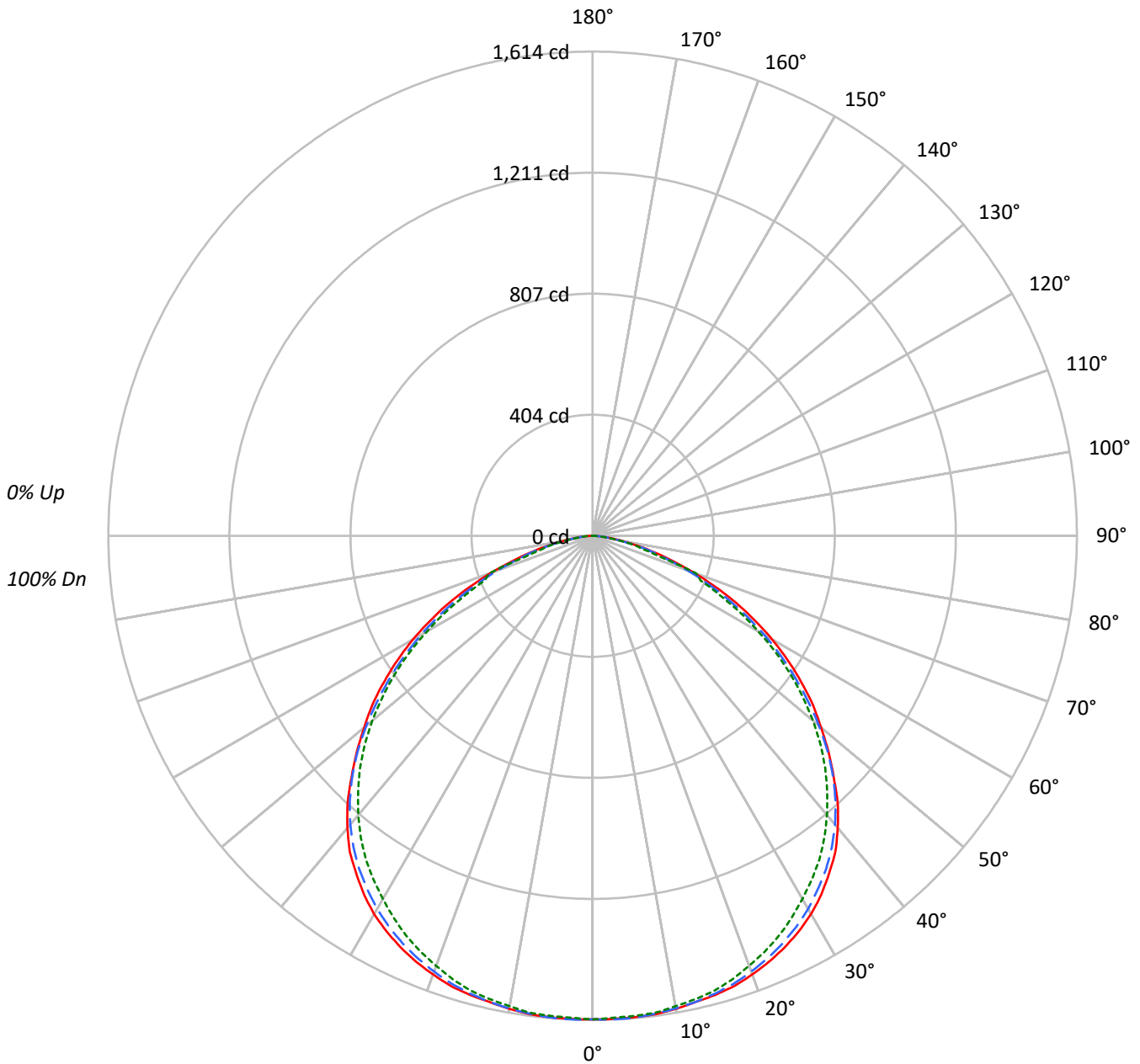
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4480.8 lumens
Efficiency: N/A
Efficacy: 82.8 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): 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	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°	4338	4338	4338
5°	4353	4355	4341
10°	4376	4371	4352
15°	4413	4400	4373
20°	4457	4427	4368
25°	4495	4450	4366
30°	4525	4462	4344
35°	4514	4456	4328
40°	4466	4413	4267
45°	4323	4309	4171
50°	4159	4122	4010
55°	3979	3863	3776
60°	3717	3550	3430
65°	3349	3140	2971
70°	2800	2626	2884
75°	2209	2126	1841
80°	1592	1413	1441
85°	1013	846	794



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.3	3.4
10°-20°	445.6	9.9
20°-30°	688.9	15.4
30°-40°	843.1	18.8
40°-50°	864.4	19.3
50°-60°	736.2	16.4
60°-70°	491.9	11.0
70°-80°	218.0	4.9
80°-90°	39.4	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°	1287.7	28.7
0°-40°	2130.9	47.6
0°-60°	3731.4	83.3
0°-90°	4480.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4480.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1612	1612	1612	1612	1612	
5°	1611	1608	1612	1611	1607	154
15°	1584	1579	1579	1575	1570	448
25°	1514	1509	1499	1479	1471	698
35°	1374	1370	1356	1326	1317	859
45°	1136	1139	1132	1107	1096	877
55°	848	844	823	806	805	757
65°	526	522	493	471	467	518
75°	212	215	204	205	177	230
85°	33	32	27	27	26	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1612.2	1612.2	1612.2	1612.2	1612.2
2.5°	1612.2	1609.5	1614.0	1615.7	1607.8
5°	1611.3	1607.8	1612.2	1611.3	1606.9
7.5°	1608.7	1602.5	1606.9	1605.1	1603.4
10°	1601.6	1596.3	1599.8	1597.2	1592.7
12.5°	1591.8	1588.3	1591.0	1588.3	1582.1
15°	1583.9	1578.6	1579.4	1575.0	1569.7
17.5°	1573.3	1565.3	1565.3	1556.4	1550.2
20°	1556.4	1549.3	1545.8	1533.4	1525.4
22.5°	1537.0	1531.6	1524.6	1508.6	1499.8
25°	1513.9	1508.6	1498.9	1479.4	1470.6
27.5°	1487.4	1480.3	1469.7	1446.6	1436.0
30°	1456.4	1447.5	1436.0	1410.3	1398.0
32.5°	1418.3	1412.1	1397.1	1370.5	1359.0
35°	1374.0	1370.5	1356.3	1326.2	1317.4
37.5°	1328.9	1321.8	1309.4	1277.5	1268.7
40°	1271.3	1266.9	1256.3	1225.3	1214.7
42.5°	1209.4	1206.7	1197.9	1168.6	1157.1
45°	1135.9	1139.4	1132.4	1106.7	1096.1
47.5°	1066.0	1064.2	1061.5	1038.5	1029.7
50°	993.4	989.8	984.5	965.9	957.9
52.5°	925.2	918.1	903.9	888.0	882.7
55°	848.2	843.7	823.4	806.5	804.8
57.5°	770.2	767.6	742.8	723.3	723.3
60°	690.6	687.0	659.6	639.2	637.4
62.5°	607.3	604.7	576.4	553.3	554.2
65°	525.9	521.5	493.1	471.0	466.6
67.5°	440.9	439.1	411.7	391.3	389.5
70°	355.9	355.9	333.8	316.1	366.5
72.5°	280.7	278.0	260.3	252.3	240.8
75°	212.5	215.1	204.5	205.4	177.1
77.5°	151.4	147.0	142.5	132.8	140.8
80°	102.7	100.0	91.2	88.5	93.0
82.5°	63.7	64.6	56.7	51.3	50.5
85°	32.8	31.9	27.4	26.6	25.7
87.5°	12.4	13.3	11.5	10.6	9.7
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)