

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: P506023

Luminaire Tested: **14PD-55-PW1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506023
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-55-PW1-L940
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

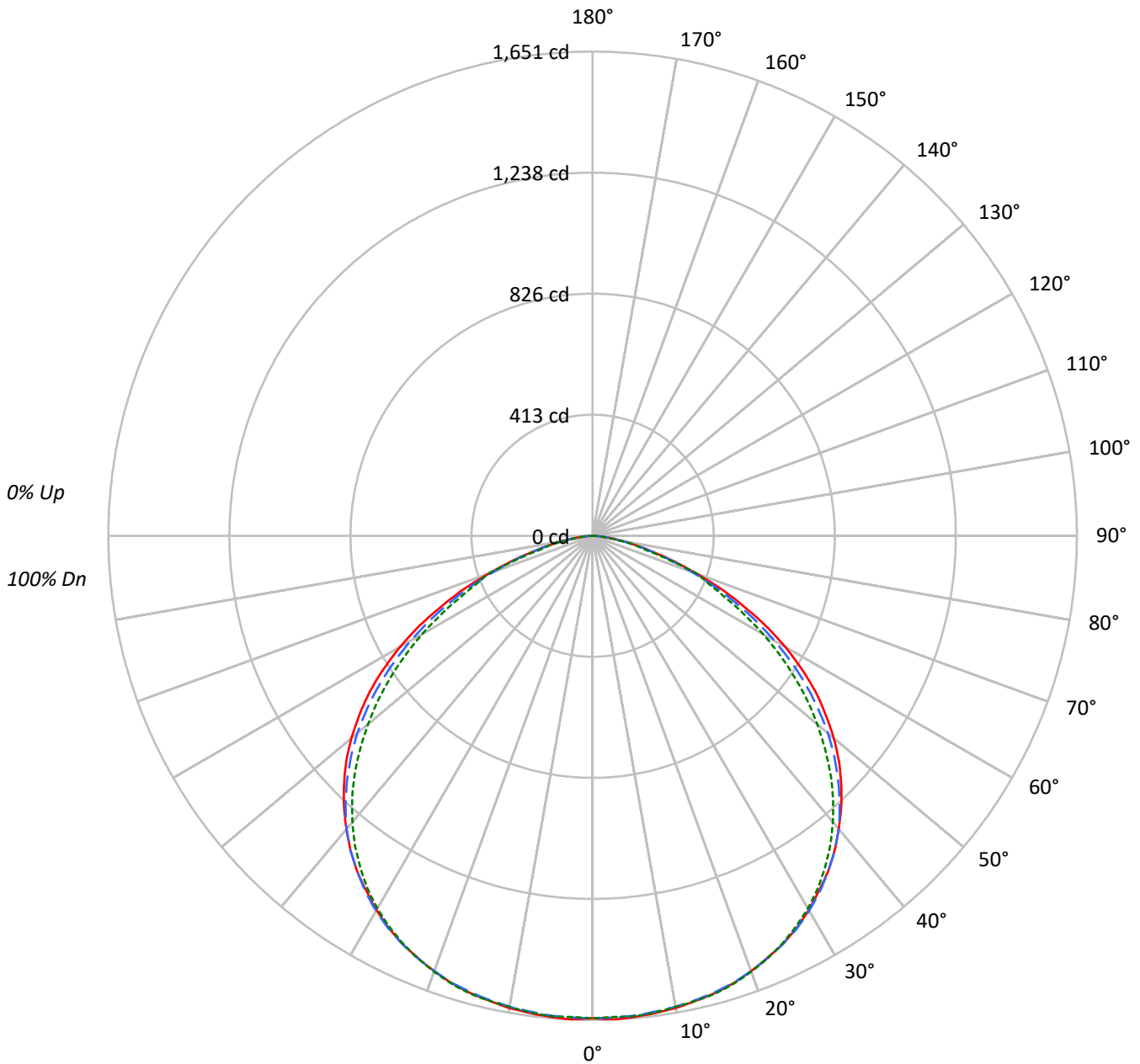
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4685.2 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
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					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	97	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	77	83	79	76	80	77	74	72								
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61								
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52								
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45								
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39								
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35								
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31								
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28								
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4427	4427	4427
5°	4449	4436	4441
10°	4467	4455	4457
15°	4498	4487	4503
20°	4525	4522	4530
25°	4559	4559	4551
30°	4580	4589	4560
35°	4595	4595	4537
40°	4587	4583	4475
45°	4562	4509	4364
50°	4493	4384	4185
55°	4354	4171	3944
60°	4079	3854	3613
65°	3612	3405	3180
70°	2949	2817	2971
75°	2224	2185	1963
80°	1599	1499	1499
85°	1003	948	834



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.4	3.3
10°-20°	455.4	9.7
20°-30°	706.9	15.1
30°-40°	870.7	18.6
40°-50°	906.5	19.3
50°-60°	788.3	16.8
60°-70°	529.6	11.3
70°-80°	229.2	4.9
80°-90°	42.1	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°	1318.7	28.1
0°-40°	2189.4	46.7
0°-60°	3884.2	82.9
0°-90°	4685.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4685.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1645	1645	1645	1645	1645	
5°	1647	1637	1642	1646	1644	157
15°	1614	1603	1611	1616	1616	456
25°	1535	1528	1535	1535	1533	708
35°	1399	1395	1399	1387	1381	874
45°	1199	1195	1185	1158	1147	923
55°	928	911	889	854	841	825
65°	567	557	535	510	499	562
75°	214	216	210	215	189	236
85°	32	34	31	27	27	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1645.1	1645.1	1645.1	1645.1	1645.1
2.5°	1650.7	1640.4	1644.2	1649.7	1642.3
5°	1646.9	1636.7	1642.3	1646.0	1644.2
7.5°	1641.4	1633.9	1636.7	1640.4	1639.5
10°	1634.9	1627.4	1630.2	1633.9	1631.1
12.5°	1624.6	1616.3	1621.8	1625.6	1624.6
15°	1614.4	1603.2	1610.7	1616.3	1616.3
17.5°	1599.5	1590.2	1597.7	1602.3	1601.4
20°	1580.0	1573.5	1579.1	1582.8	1581.9
22.5°	1557.7	1553.0	1559.5	1559.5	1559.5
25°	1535.4	1527.9	1535.4	1535.4	1532.6
27.5°	1506.5	1500.0	1509.3	1506.5	1501.9
30°	1474.0	1470.3	1476.8	1472.1	1467.5
32.5°	1435.8	1434.0	1440.5	1431.2	1427.5
35°	1398.7	1394.9	1398.7	1386.6	1381.0
37.5°	1354.9	1351.2	1354.9	1339.1	1330.8
40°	1305.7	1302.9	1304.7	1284.3	1274.0
42.5°	1254.5	1251.7	1247.1	1222.0	1213.6
45°	1198.7	1195.0	1184.8	1157.8	1146.6
47.5°	1139.2	1132.7	1117.8	1089.0	1074.1
50°	1073.2	1063.9	1047.1	1015.5	999.7
52.5°	1001.6	990.4	969.0	937.4	922.5
55°	928.1	911.4	889.0	853.7	840.7
57.5°	844.4	826.7	803.5	770.9	756.1
60°	757.9	740.2	716.1	686.3	671.4
62.5°	665.8	650.0	625.9	598.0	584.9
65°	567.3	557.0	534.7	509.6	499.4
67.5°	474.3	464.0	445.4	424.1	427.8
70°	374.8	373.8	358.0	343.2	377.6
72.5°	292.0	290.1	281.8	274.3	272.5
75°	213.9	215.7	210.2	214.8	188.8
77.5°	150.7	152.5	151.6	138.6	145.1
80°	103.2	103.2	96.7	92.1	96.7
82.5°	62.3	74.4	67.0	54.9	53.0
85°	32.5	33.5	30.7	27.0	27.0
87.5°	12.1	13.9	12.1	11.2	10.2
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)