

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: P506713

Luminaire Tested: **24PD-55-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-55-PR1-L927
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

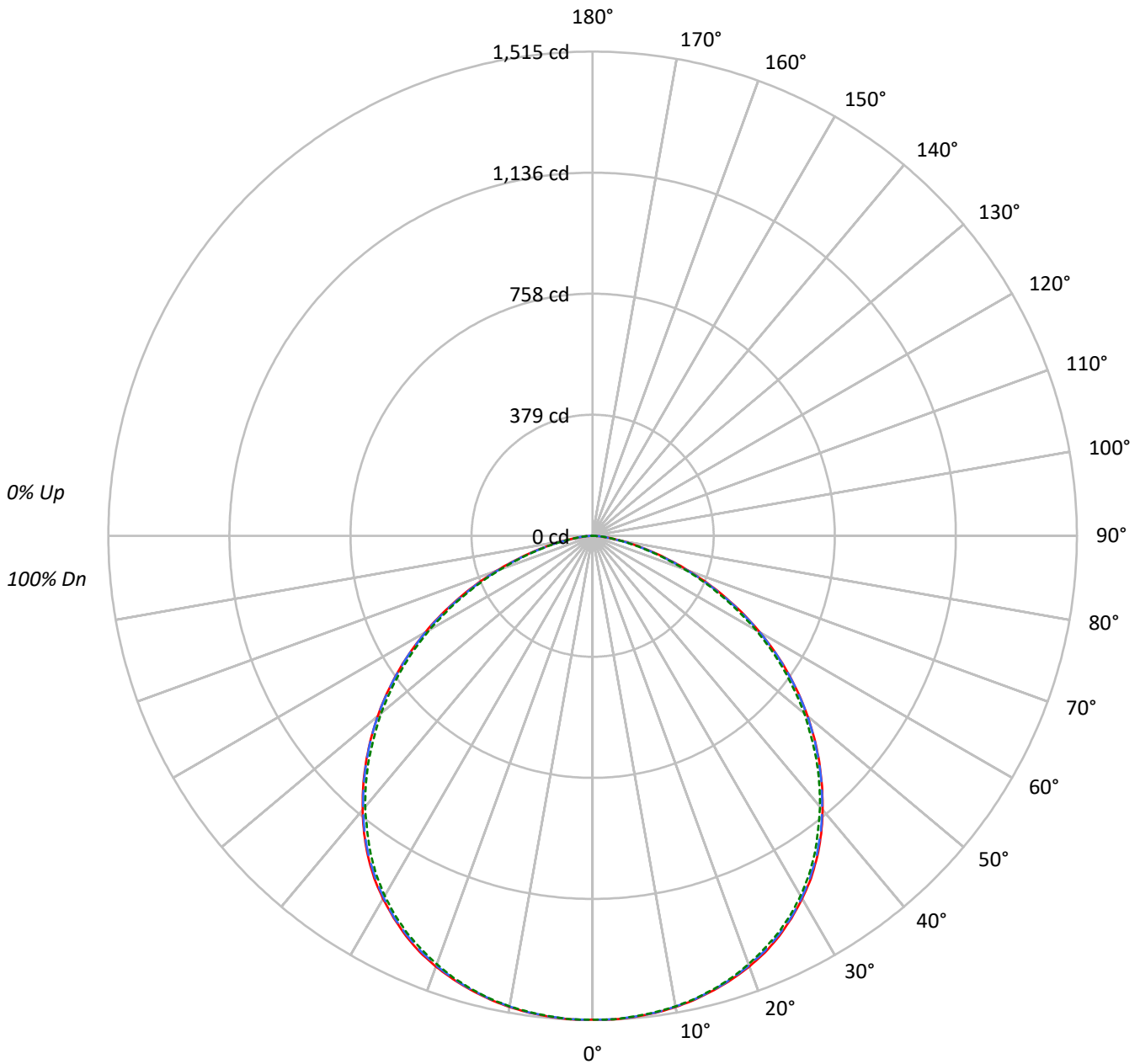
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4077.0 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 41.2
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				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
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72				72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61				61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52				52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46				46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40				40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35				35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32				32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28				28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26				26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2038	2038	2038
5°	2041	2040	2039
10°	2046	2043	2043
15°	2050	2047	2045
20°	2054	2049	2042
25°	2051	2046	2037
30°	2037	2032	2021
35°	2013	2006	1990
40°	1966	1961	1944
45°	1908	1905	1884
50°	1837	1836	1809
55°	1747	1743	1710
60°	1628	1622	1585
65°	1467	1450	1416
70°	1253	1234	1203
75°	990	968	946
80°	703	685	664
85°	423	411	398



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.7	3.5
10°-20°	415.0	10.2
20°-30°	634.4	15.6
30°-40°	761.8	18.7
40°-50°	769.9	18.9
50°-60°	661.5	16.2
60°-70°	451.3	11.1
70°-80°	202.9	5.0
80°-90°	36.5	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°	1193.1	29.3
0°-40°	1955.0	48.0
0°-60°	3386.4	83.1
0°-90°	4077.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4077.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1514	1514	1514	1514	1514	
5°	1511	1511	1510	1510	1510	144
15°	1471	1471	1469	1468	1468	416
25°	1382	1381	1378	1373	1372	636
35°	1225	1225	1221	1214	1212	765
45°	1003	1006	1001	994	990	773
55°	745	747	743	736	729	665
65°	461	463	455	452	445	456
75°	190	192	186	185	182	206
85°	27	28	27	27	26	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1514.4	1514.4	1514.4	1514.4	1514.4
2.5°	1514.8	1514.4	1514.0	1513.2	1514.4
5°	1511.3	1510.9	1510.5	1509.7	1509.7
7.5°	1505.8	1505.0	1505.0	1503.8	1503.4
10°	1497.2	1496.8	1495.6	1495.6	1495.2
12.5°	1486.2	1485.4	1484.3	1483.9	1483.1
15°	1471.4	1471.0	1469.4	1468.2	1467.8
17.5°	1454.5	1453.4	1452.2	1449.5	1449.5
20°	1434.2	1433.4	1430.7	1427.9	1426.4
22.5°	1410.7	1409.2	1406.0	1403.3	1400.2
25°	1381.8	1381.4	1377.9	1373.2	1372.0
27.5°	1348.2	1348.9	1345.4	1340.7	1338.4
30°	1311.4	1313.0	1307.9	1302.0	1300.8
32.5°	1271.1	1271.5	1267.2	1260.9	1258.6
35°	1225.4	1225.4	1221.4	1214.0	1211.7
37.5°	1174.5	1174.1	1171.8	1163.2	1158.9
40°	1119.4	1121.3	1116.6	1108.8	1106.8
42.5°	1062.3	1064.6	1060.3	1053.7	1049.4
45°	1002.8	1005.5	1001.2	994.2	989.9
47.5°	941.4	943.4	940.2	931.2	925.4
50°	877.7	881.6	877.3	867.9	864.0
52.5°	811.9	816.2	811.2	804.1	796.7
55°	744.7	747.4	743.1	736.5	729.0
57.5°	675.4	680.9	673.9	666.1	659.8
60°	605.0	609.7	602.7	595.7	589.0
62.5°	533.5	536.6	528.8	524.5	516.7
65°	460.7	463.1	455.3	452.1	444.7
67.5°	388.8	390.7	383.3	379.0	374.7
70°	318.4	319.9	313.7	309.8	305.8
72.5°	251.9	252.3	246.4	245.2	240.5
75°	190.5	192.0	186.2	185.0	181.9
77.5°	136.9	137.3	133.4	132.6	129.8
80°	90.7	91.1	88.4	88.0	85.7
82.5°	54.8	55.1	52.8	52.8	51.2
85°	27.4	27.8	26.6	26.6	25.8
87.5°	9.4	9.8	9.4	9.4	9.0
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)