

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: P506353

Luminaire Tested: **22PD-55-PL1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506353
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-55-PL1-L927
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

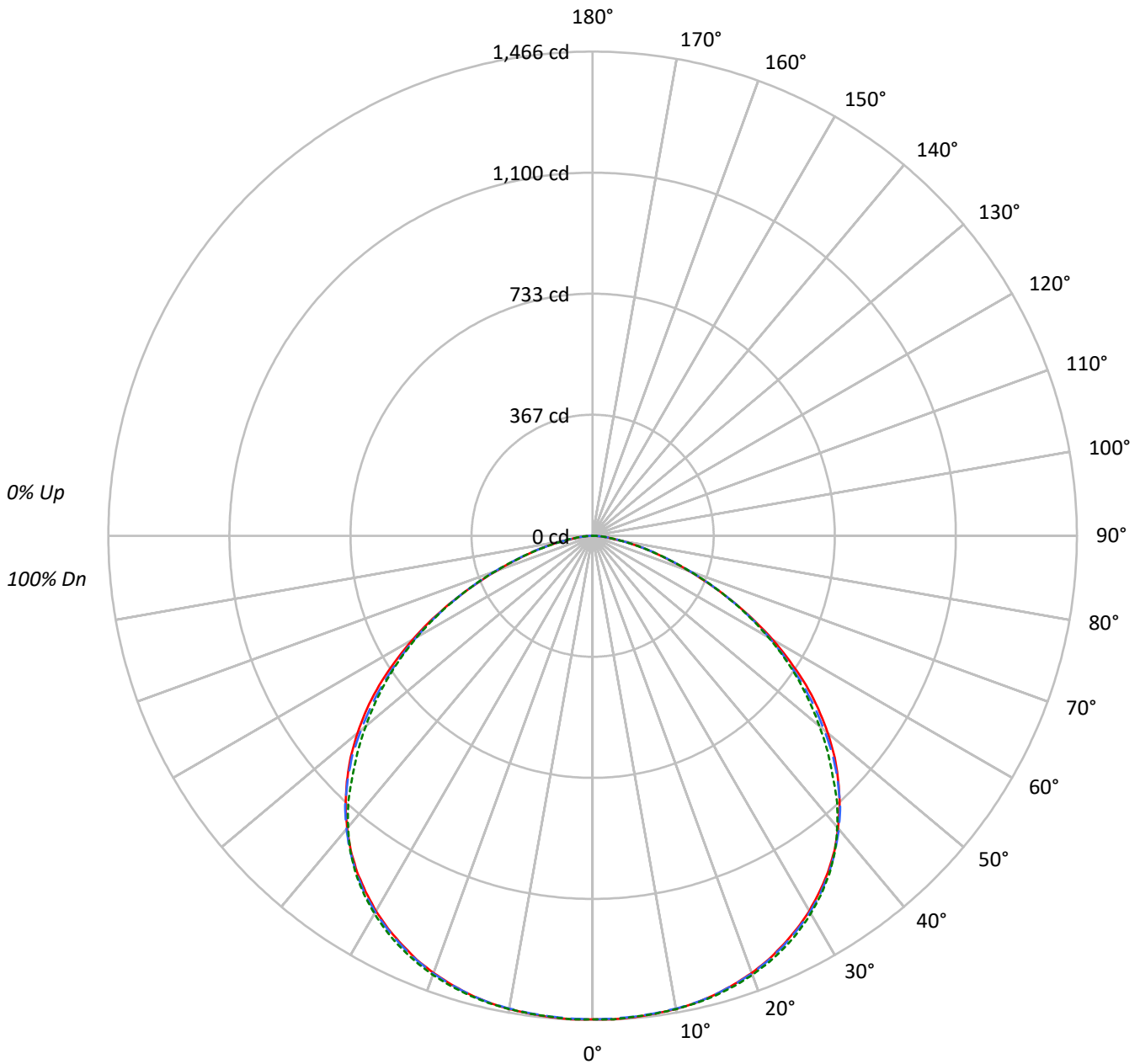
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4147.9 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 45.4
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	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	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3941	3941	3941
5°	3952	3947	3949
10°	3976	3972	3976
15°	4005	4005	4014
20°	4034	4039	4052
25°	4056	4065	4085
30°	4076	4089	4105
35°	4082	4096	4104
40°	4061	4072	4047
45°	4003	3991	3911
50°	3890	3830	3752
55°	3701	3607	3566
60°	3388	3324	3305
65°	2955	2948	2939
70°	2422	2463	2455
75°	1919	1952	1919
80°	1407	1398	1390
85°	939	923	988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.2	3.4
10°-20°	406.3	9.8
20°-30°	631.6	15.2
30°-40°	778.6	18.8
40°-50°	804.2	19.4
50°-60°	688.1	16.6
60°-70°	459.3	11.1
70°-80°	201.5	4.9
80°-90°	38.9	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°	1177.2	28.4
0°-40°	1955.8	47.2
0°-60°	3448.1	83.1
0°-90°	4147.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4147.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1464	1464	1464	1464	1464	
5°	1463	1461	1461	1460	1462	139
15°	1438	1436	1438	1439	1441	406
25°	1366	1366	1369	1373	1376	630
35°	1243	1243	1247	1249	1249	777
45°	1052	1051	1049	1039	1028	810
55°	789	779	769	765	760	701
65°	464	463	463	465	462	460
75°	185	183	188	187	185	200
85°	30	30	30	31	32	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1464.4	1464.4	1464.4	1464.4	1464.4
2.5°	1465.5	1463.4	1462.9	1462.9	1465.5
5°	1462.9	1460.8	1461.3	1460.3	1461.9
7.5°	1459.3	1457.2	1457.7	1457.2	1459.3
10°	1455.1	1453.1	1453.6	1453.1	1455.1
12.5°	1447.9	1446.4	1447.4	1447.9	1449.5
15°	1437.6	1436.1	1437.6	1438.6	1440.7
17.5°	1424.2	1423.2	1424.7	1426.3	1428.9
20°	1408.7	1407.7	1410.3	1411.8	1414.9
22.5°	1389.7	1388.6	1391.2	1394.8	1396.9
25°	1365.9	1365.9	1369.0	1373.2	1375.7
27.5°	1340.7	1340.2	1343.8	1347.9	1350.5
30°	1311.8	1310.8	1315.9	1319.5	1321.1
32.5°	1278.3	1278.8	1283.4	1287.0	1287.6
35°	1242.7	1242.7	1246.8	1249.4	1249.4
37.5°	1202.0	1201.5	1205.6	1206.6	1205.1
40°	1156.1	1156.6	1159.2	1158.7	1152.0
42.5°	1106.6	1107.1	1109.2	1101.9	1095.2
45°	1051.9	1051.4	1048.8	1039.0	1027.7
47.5°	993.6	991.1	986.9	972.0	963.7
50°	929.2	925.1	914.8	902.9	896.2
52.5°	861.1	853.9	843.6	834.3	828.6
55°	788.9	779.1	768.8	764.7	760.1
57.5°	708.5	702.3	693.5	691.5	688.4
60°	629.6	622.9	617.7	617.7	614.1
62.5°	547.1	543.0	540.9	541.9	538.3
65°	464.1	463.0	463.0	464.6	461.5
67.5°	383.6	385.7	385.2	390.3	386.2
70°	307.8	311.4	313.0	318.2	312.0
72.5°	242.4	242.9	244.9	246.5	243.4
75°	184.6	183.1	187.7	186.7	184.6
77.5°	133.6	132.5	134.1	135.1	132.5
80°	90.8	89.7	90.2	91.8	89.7
82.5°	57.2	56.2	56.2	57.8	57.2
85°	30.4	29.9	29.9	30.9	32.0
87.5°	10.8	10.3	10.8	10.8	10.8
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)