

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: P506650

Luminaire Tested: **24PD-45-PL1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-45-PL1-L927
Description: 4500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

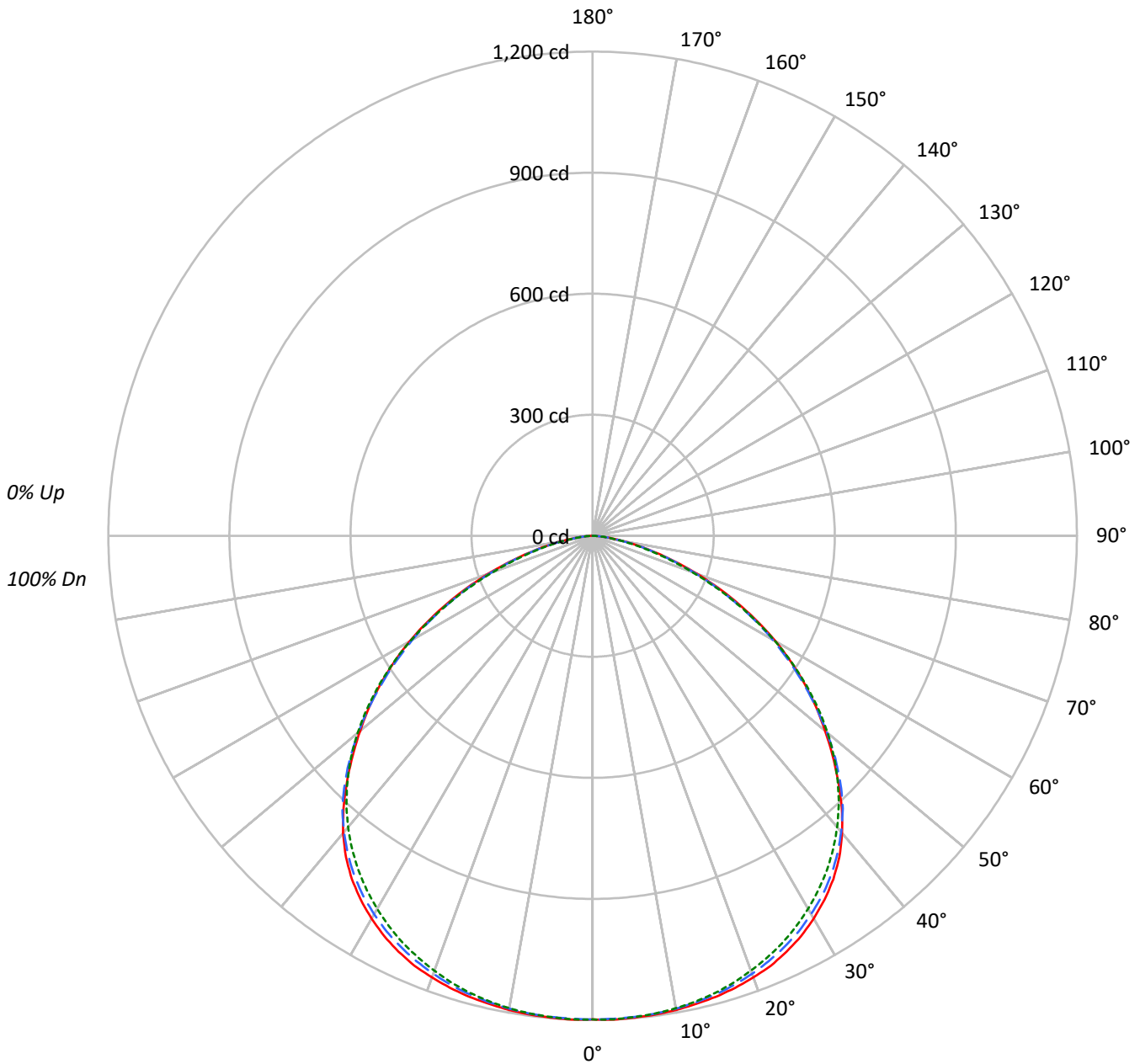
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3438.9 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85								
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72								
3	91	81	73	67	89	79	72	66	76	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	48	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	33	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	53	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°	1613	1613	1613
5°	1619	1616	1617
10°	1630	1626	1624
15°	1647	1639	1634
20°	1668	1654	1643
25°	1689	1670	1652
30°	1702	1682	1659
35°	1708	1690	1662
40°	1689	1683	1656
45°	1638	1653	1635
50°	1574	1586	1591
55°	1506	1495	1517
60°	1409	1386	1404
65°	1268	1243	1242
70°	1079	1055	1030
75°	850	831	797
80°	608	590	557
85°	360	355	329



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.1	3.3
10°-20°	332.7	9.7
20°-30°	518.7	15.1
30°-40°	641.8	18.7
40°-50°	665.4	19.3
50°-60°	572.9	16.7
60°-70°	388.7	11.3
70°-80°	173.5	5.0
80°-90°	31.2	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°	965.5	28.1
0°-40°	1607.3	46.7
0°-60°	2845.5	82.7
0°-90°	3438.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3438.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1199	1199	1199	1199	1199	
5°	1199	1197	1197	1197	1197	114
15°	1183	1179	1177	1174	1173	334
25°	1137	1133	1125	1116	1113	524
35°	1040	1037	1029	1018	1012	649
45°	861	865	868	865	859	663
55°	642	642	637	644	647	573
65°	398	400	390	386	390	394
75°	164	165	160	156	153	177
85°	23	24	23	23	21	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1198.8	1198.8	1198.8	1198.8	1198.8
2.5°	1200.4	1197.8	1198.1	1198.4	1199.7
5°	1198.8	1197.1	1196.8	1196.8	1197.1
7.5°	1196.8	1194.8	1194.5	1194.2	1194.2
10°	1193.2	1191.2	1189.9	1189.2	1188.9
12.5°	1188.2	1185.9	1184.3	1183.0	1182.0
15°	1182.7	1179.4	1176.8	1174.1	1173.1
17.5°	1174.8	1171.8	1167.2	1163.0	1161.3
20°	1164.9	1162.0	1155.4	1149.5	1147.2
22.5°	1153.5	1149.2	1141.0	1134.4	1131.1
25°	1137.4	1133.1	1124.6	1116.4	1113.1
27.5°	1118.7	1114.7	1105.5	1095.7	1091.7
30°	1095.4	1092.7	1082.9	1072.0	1067.8
32.5°	1069.4	1066.8	1058.3	1046.1	1041.2
35°	1039.6	1036.6	1029.0	1017.9	1012.0
37.5°	1004.1	1003.1	995.9	984.4	978.8
40°	961.8	963.7	958.1	948.3	942.7
42.5°	913.5	917.8	917.8	908.6	903.0
45°	860.7	864.6	868.5	865.3	859.0
47.5°	806.5	810.8	815.4	816.7	811.4
50°	752.0	754.6	757.6	763.5	760.2
52.5°	697.8	698.8	697.8	705.7	705.1
55°	642.0	642.4	637.1	644.3	646.6
57.5°	583.9	584.9	576.4	580.3	585.3
60°	523.6	524.5	515.0	515.7	521.6
62.5°	461.2	462.5	453.0	450.7	455.9
65°	398.2	399.8	390.3	386.0	390.0
67.5°	335.5	337.4	328.6	323.3	324.3
70°	274.4	276.1	268.2	263.3	261.9
72.5°	216.3	218.0	211.7	206.8	204.5
75°	163.5	164.8	159.9	156.2	153.3
77.5°	117.5	118.5	114.6	111.9	109.0
80°	78.5	78.8	76.2	74.5	71.9
82.5°	46.9	47.3	45.6	45.0	43.0
85°	23.3	23.6	23.0	23.0	21.3
87.5°	8.2	7.9	8.2	8.2	7.2
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)