

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: P506302

Luminaire Tested: **22PD-45-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506302
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-45-PL1-L940
Description: 4500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

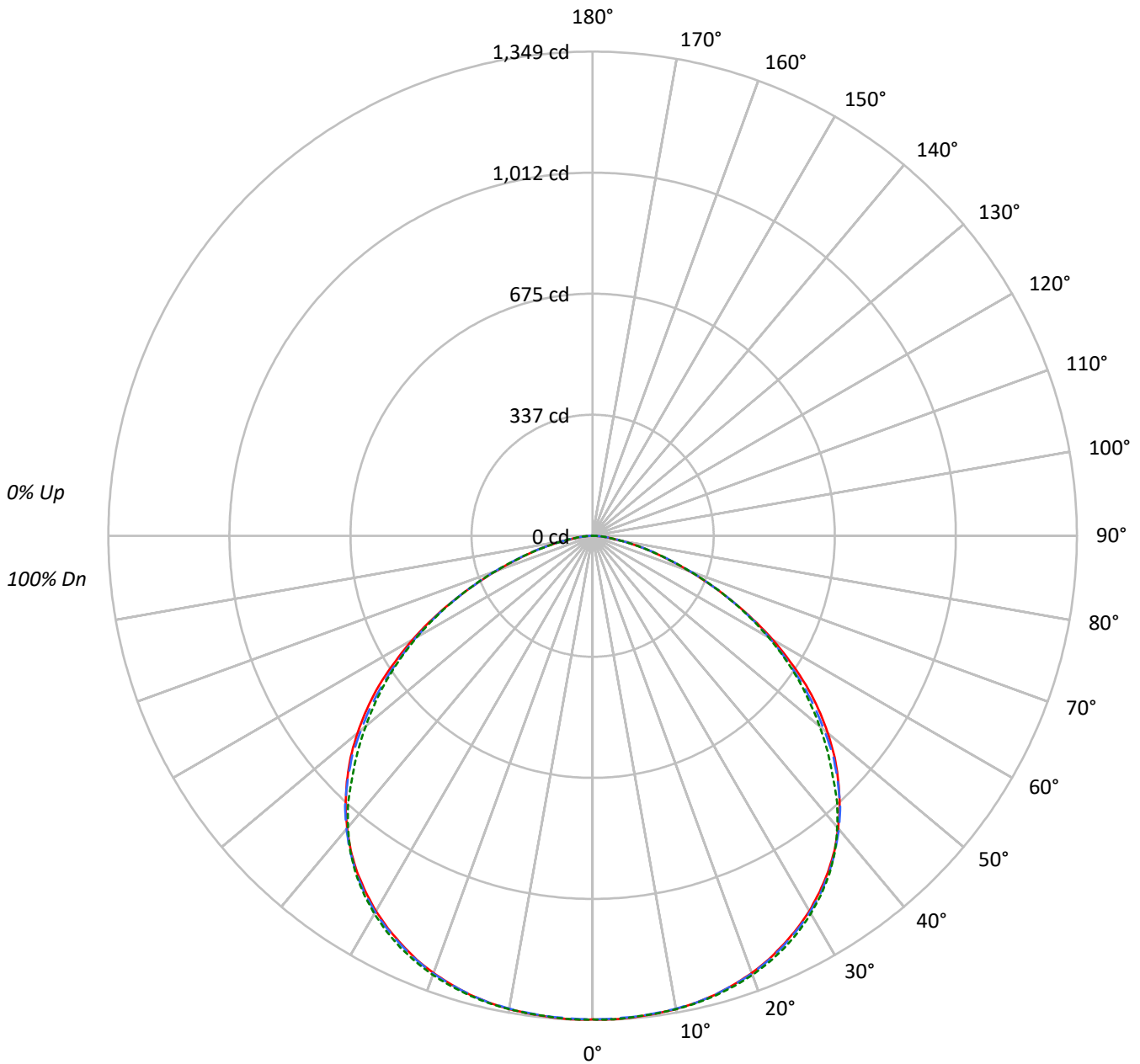
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3817.4 lumens
Efficiency: N/A
Efficacy: 101.0 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): 37.8
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	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	63	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°	3627	3627	3627
5°	3637	3633	3634
10°	3659	3656	3659
15°	3686	3686	3694
20°	3713	3717	3729
25°	3733	3741	3759
30°	3751	3763	3778
35°	3757	3770	3777
40°	3738	3747	3724
45°	3684	3673	3599
50°	3580	3525	3453
55°	3407	3320	3282
60°	3118	3060	3042
65°	2720	2714	2704
70°	2229	2267	2259
75°	1766	1796	1766
80°	1294	1286	1280
85°	865	849	908



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.1	3.4
10°-20°	374.0	9.8
20°-30°	581.3	15.2
30°-40°	716.6	18.8
40°-50°	740.2	19.4
50°-60°	633.3	16.6
60°-70°	422.7	11.1
70°-80°	185.5	4.9
80°-90°	35.9	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°	1083.4	28.4
0°-40°	1799.9	47.2
0°-60°	3173.4	83.1
0°-90°	3817.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3817.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1348	1348	1348	1348	1348	
5°	1346	1344	1345	1344	1345	128
15°	1323	1322	1323	1324	1326	374
25°	1257	1257	1260	1264	1266	580
35°	1144	1144	1148	1150	1150	715
45°	968	968	965	956	946	745
55°	726	717	708	704	700	645
65°	427	426	426	428	425	424
75°	170	168	173	172	170	184
85°	28	28	28	28	29	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1347.7	1347.7	1347.7	1347.7	1347.7
2.5°	1348.7	1346.8	1346.3	1346.3	1348.7
5°	1346.3	1344.4	1344.9	1343.9	1345.4
7.5°	1343.0	1341.1	1341.6	1341.1	1343.0
10°	1339.2	1337.3	1337.8	1337.3	1339.2
12.5°	1332.6	1331.1	1332.1	1332.6	1334.0
15°	1323.1	1321.6	1323.1	1324.0	1325.9
17.5°	1310.7	1309.8	1311.2	1312.6	1315.0
20°	1296.5	1295.5	1297.9	1299.3	1302.2
22.5°	1278.9	1278.0	1280.4	1283.7	1285.6
25°	1257.1	1257.1	1259.9	1263.7	1266.1
27.5°	1233.8	1233.4	1236.7	1240.5	1242.9
30°	1207.3	1206.3	1211.1	1214.4	1215.8
32.5°	1176.4	1176.9	1181.2	1184.5	1185.0
35°	1143.7	1143.7	1147.5	1149.8	1149.8
37.5°	1106.2	1105.7	1109.5	1110.5	1109.0
40°	1064.0	1064.4	1066.8	1066.3	1060.2
42.5°	1018.4	1018.9	1020.8	1014.1	1008.0
45°	968.1	967.6	965.2	956.2	945.8
47.5°	914.5	912.1	908.3	894.5	886.9
50°	855.2	851.4	841.9	830.9	824.8
52.5°	792.5	785.9	776.4	767.8	762.6
55°	726.1	717.1	707.6	703.8	699.5
57.5°	652.0	646.3	638.3	636.4	633.5
60°	579.4	573.3	568.5	568.5	565.2
62.5°	503.5	499.7	497.8	498.8	495.4
65°	427.1	426.2	426.2	427.6	424.7
67.5°	353.1	355.0	354.5	359.2	355.4
70°	283.3	286.6	288.1	292.8	287.1
72.5°	223.0	223.5	225.4	226.8	224.0
75°	169.9	168.5	172.7	171.8	169.9
77.5°	122.9	122.0	123.4	124.3	122.0
80°	83.5	82.6	83.0	84.5	82.6
82.5°	52.7	51.7	51.7	53.2	52.7
85°	28.0	27.5	27.5	28.5	29.4
87.5°	10.0	9.5	10.0	10.0	10.0
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)