

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: P506669

Luminaire Tested: **24PD-45-PW1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-45-PW1-L930
Description: 4500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

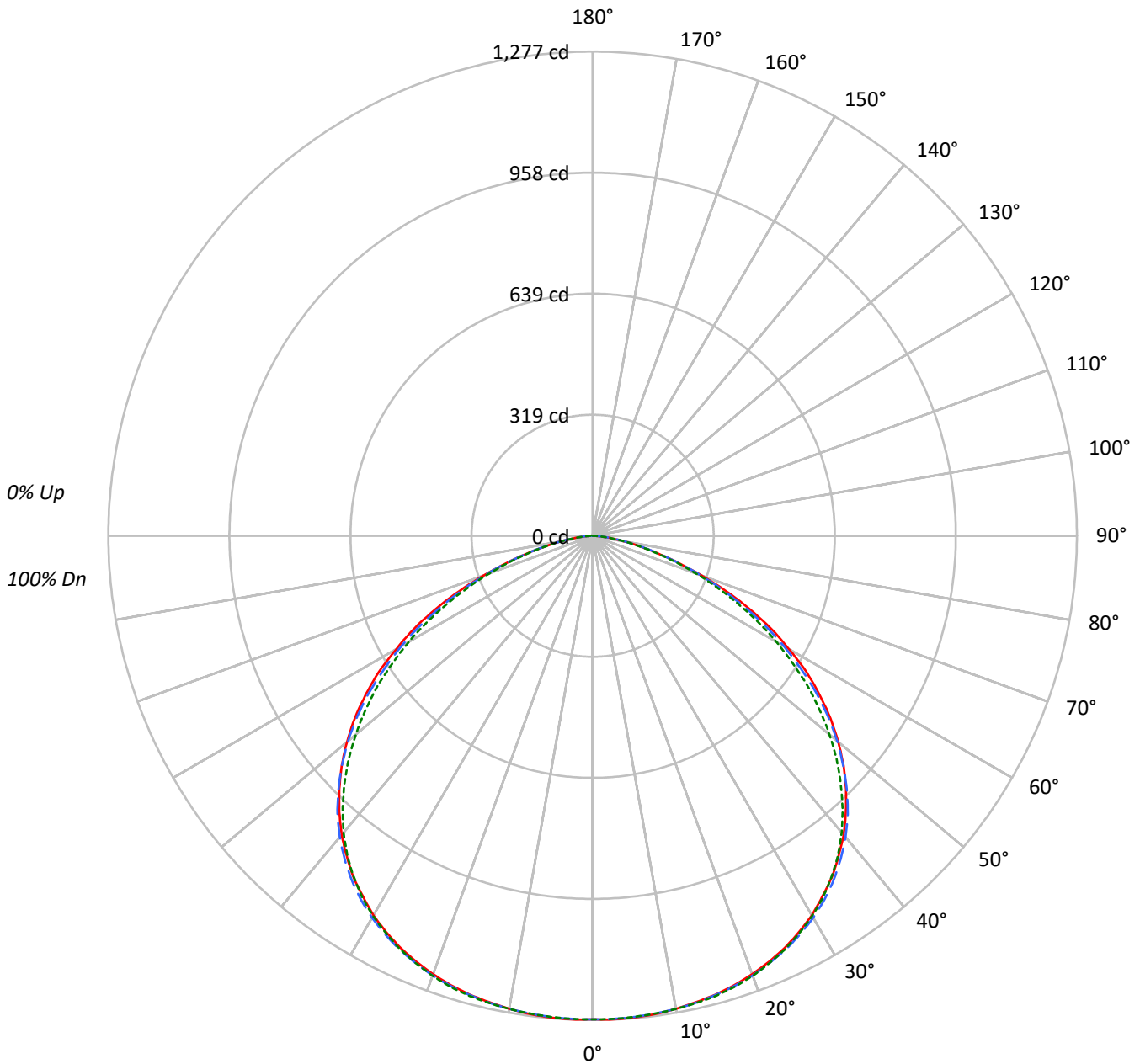
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3740.5 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
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

TEST NUMBER: P506669
CATALOG NUMBER: 24PD-45-PW1-L930

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85				85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71				71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60				60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52				52
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45				45
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39				39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34				34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30				30
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27				27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1716	1716	1716
5°	1722	1720	1720
10°	1731	1731	1731
15°	1745	1746	1750
20°	1762	1767	1768
25°	1780	1788	1785
30°	1796	1808	1799
35°	1806	1820	1804
40°	1808	1822	1794
45°	1798	1804	1761
50°	1770	1761	1706
55°	1713	1686	1626
60°	1609	1568	1506
65°	1451	1398	1341
70°	1196	1178	1135
75°	914	924	887
80°	635	654	640
85°	380	395	384



TEST NUMBER: P506669

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.4	3.2
10°-20°	354.6	9.5
20°-30°	554.6	14.8
30°-40°	689.8	18.4
40°-50°	724.9	19.4
50°-60°	636.3	17.0
60°-70°	433.3	11.6
70°-80°	191.1	5.1
80°-90°	34.4	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°	1030.6	27.6
0°-40°	1720.4	46.0
0°-60°	3081.6	82.4
0°-90°	3740.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3740.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1276	1276	1276	1276	1276	
5°	1275	1275	1274	1272	1274	121
15°	1253	1254	1254	1254	1256	354
25°	1199	1202	1204	1204	1202	553
35°	1100	1105	1108	1103	1098	687
45°	945	951	948	933	926	728
55°	730	728	719	700	693	651
65°	456	445	439	429	421	449
75°	176	177	178	174	171	192
85°	25	26	26	25	25	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1275.5	1275.5	1275.5	1275.5	1275.5
2.5°	1277.0	1276.2	1275.5	1274.5	1275.5
5°	1275.2	1274.8	1273.7	1272.3	1273.7
7.5°	1272.3	1272.3	1271.3	1270.2	1270.9
10°	1267.0	1268.1	1267.0	1265.9	1267.3
12.5°	1259.9	1261.6	1261.3	1261.3	1262.4
15°	1252.7	1254.2	1253.8	1253.8	1256.3
17.5°	1242.8	1244.5	1244.9	1245.6	1247.0
20°	1230.3	1232.8	1234.2	1233.9	1234.9
22.5°	1215.7	1218.6	1219.6	1220.3	1219.6
25°	1199.0	1202.2	1204.3	1203.6	1202.5
27.5°	1178.7	1182.2	1185.1	1183.3	1181.2
30°	1155.9	1159.1	1163.4	1160.2	1158.0
32.5°	1127.7	1133.8	1137.7	1133.8	1130.6
35°	1099.6	1104.6	1108.2	1102.8	1098.5
37.5°	1065.4	1071.5	1074.7	1067.2	1062.6
40°	1029.5	1035.5	1037.3	1027.7	1021.6
42.5°	988.5	995.3	996.0	982.5	975.7
45°	944.7	950.8	948.3	932.6	925.5
47.5°	897.4	901.6	896.3	880.3	872.4
50°	845.4	847.9	841.5	822.6	815.1
52.5°	790.5	790.2	782.0	763.1	754.9
55°	730.3	727.5	718.6	699.7	693.0
57.5°	668.7	659.8	650.2	634.2	625.3
60°	597.9	591.1	582.6	566.5	559.8
62.5°	530.9	518.8	511.7	497.5	491.4
65°	455.8	444.8	439.1	429.4	421.3
67.5°	380.3	371.8	367.8	361.1	353.6
70°	304.1	301.6	299.5	293.1	288.4
72.5°	236.8	236.1	235.7	232.2	227.5
75°	175.9	177.0	177.7	174.5	170.6
77.5°	125.3	127.1	126.8	125.0	123.9
80°	81.9	83.3	84.4	82.6	82.6
82.5°	49.5	50.9	50.6	51.3	49.9
85°	24.6	25.6	25.6	25.3	24.9
87.5°	8.9	9.3	8.9	9.3	8.9
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)