

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: P506645

Luminaire Tested: **24PD-40-PW1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506645
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-40-PW1-L950
Description: 4000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

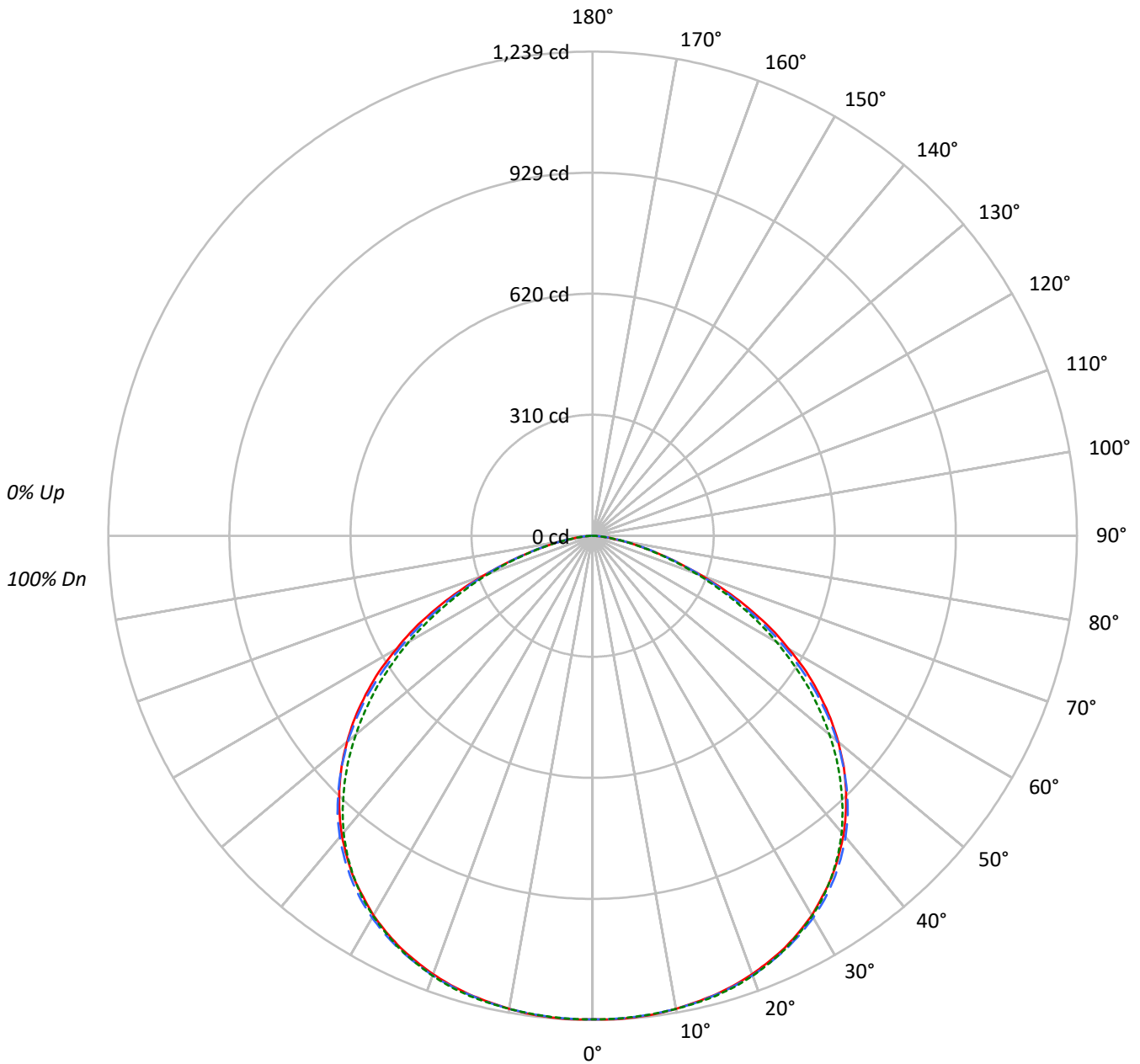
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3629.0 lumens
Efficiency: N/A
Efficacy: 123.4 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): 29.4
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1665	1665	1665
5°	1671	1669	1669
10°	1679	1679	1680
15°	1693	1694	1698
20°	1709	1714	1715
25°	1727	1735	1732
30°	1742	1754	1746
35°	1752	1766	1751
40°	1754	1768	1741
45°	1744	1751	1709
50°	1717	1709	1655
55°	1662	1635	1577
60°	1561	1521	1461
65°	1408	1356	1301
70°	1161	1143	1101
75°	887	896	860
80°	616	635	621
85°	367	384	374



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.8	3.2
10°-20°	344.0	9.5
20°-30°	538.0	14.8
30°-40°	669.2	18.4
40°-50°	703.3	19.4
50°-60°	617.4	17.0
60°-70°	420.4	11.6
70°-80°	185.4	5.1
80°-90°	33.4	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°	999.8	27.6
0°-40°	1669.1	46.0
0°-60°	2989.7	82.4
0°-90°	3629.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3629.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1238	1238	1238	1238	1238	
5°	1237	1237	1236	1234	1236	118
15°	1215	1217	1216	1216	1219	344
25°	1163	1166	1168	1168	1167	536
35°	1067	1072	1075	1070	1066	667
45°	916	922	920	905	898	706
55°	709	706	697	679	672	631
65°	442	432	426	417	409	436
75°	171	172	172	169	166	187
85°	24	25	25	24	24	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1237.5	1237.5	1237.5	1237.5	1237.5
2.5°	1238.9	1238.2	1237.5	1236.5	1237.5
5°	1237.1	1236.8	1235.8	1234.4	1235.8
7.5°	1234.4	1234.4	1233.3	1232.3	1233.0
10°	1229.2	1230.2	1229.2	1228.2	1229.5
12.5°	1222.3	1224.0	1223.7	1223.7	1224.7
15°	1215.4	1216.8	1216.4	1216.4	1218.8
17.5°	1205.7	1207.4	1207.8	1208.5	1209.9
20°	1193.6	1196.0	1197.4	1197.1	1198.1
22.5°	1179.4	1182.2	1183.2	1183.9	1183.2
25°	1163.2	1166.3	1168.4	1167.7	1166.7
27.5°	1143.5	1147.0	1149.7	1148.0	1145.9
30°	1121.4	1124.5	1128.7	1125.6	1123.5
32.5°	1094.1	1100.0	1103.8	1100.0	1096.9
35°	1066.8	1071.7	1075.1	1069.9	1065.8
37.5°	1033.7	1039.5	1042.6	1035.4	1030.9
40°	998.8	1004.6	1006.4	997.0	991.2
42.5°	959.0	965.6	966.3	953.2	946.6
45°	916.5	922.4	920.0	904.8	897.9
47.5°	870.6	874.7	869.6	854.0	846.4
50°	820.2	822.6	816.4	798.0	790.8
52.5°	767.0	766.6	758.7	740.4	732.4
55°	708.6	705.8	697.2	678.9	672.3
57.5°	648.8	640.2	630.8	615.3	606.7
60°	580.1	573.5	565.2	549.6	543.1
62.5°	515.1	503.4	496.4	482.6	476.8
65°	442.2	431.5	426.0	416.6	408.7
67.5°	369.0	360.7	356.9	350.3	343.1
70°	295.0	292.6	290.5	284.3	279.8
72.5°	229.7	229.0	228.7	225.2	220.8
75°	170.7	171.7	172.4	169.3	165.5
77.5°	121.6	123.3	123.0	121.3	120.2
80°	79.5	80.8	81.9	80.2	80.2
82.5°	48.0	49.4	49.1	49.7	48.4
85°	23.8	24.9	24.9	24.5	24.2
87.5°	8.6	9.0	8.6	9.0	8.6
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)