

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: P506696

Luminaire Tested: **24PD-50-PW1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506696
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-50-PW1-L930
Description: 5000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

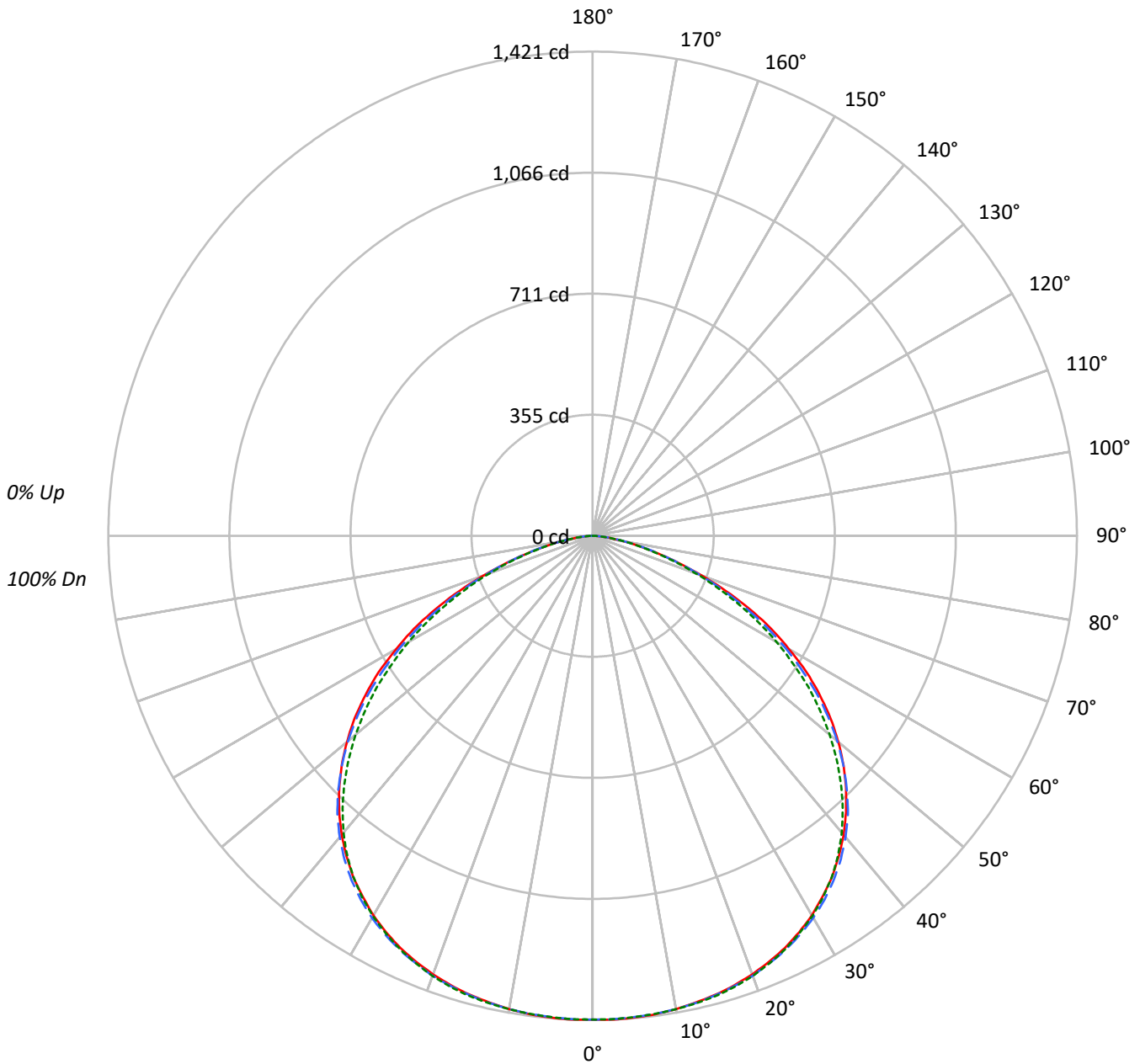
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4163.6 lumens
Efficiency: N/A
Efficacy: 112.2 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): 37.1
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	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°	1910	1910	1910
5°	1917	1915	1915
10°	1927	1927	1927
15°	1942	1944	1948
20°	1961	1967	1968
25°	1981	1990	1987
30°	1999	2012	2003
35°	2010	2026	2008
40°	2013	2028	1997
45°	2001	2008	1960
50°	1970	1961	1899
55°	1907	1876	1809
60°	1791	1745	1677
65°	1615	1556	1493
70°	1332	1311	1263
75°	1018	1028	987
80°	707	728	713
85°	421	440	428



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	3.2
10°-20°	394.7	9.5
20°-30°	617.3	14.8
30°-40°	767.8	18.4
40°-50°	806.9	19.4
50°-60°	708.3	17.0
60°-70°	482.3	11.6
70°-80°	212.8	5.1
80°-90°	38.3	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°	1147.1	27.6
0°-40°	1915.0	46.0
0°-60°	3430.2	82.4
0°-90°	4163.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4163.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1420	1420	1420	1420	1420	
5°	1419	1419	1418	1416	1418	135
15°	1394	1396	1396	1396	1398	394
25°	1335	1338	1340	1340	1338	615
35°	1224	1230	1234	1228	1223	765
45°	1052	1058	1056	1038	1030	810
55°	813	810	800	779	771	724
65°	507	495	489	478	469	500
75°	196	197	198	194	190	214
85°	27	28	28	28	28	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1419.8	1419.8	1419.8	1419.8	1419.8
2.5°	1421.4	1420.6	1419.8	1418.6	1419.8
5°	1419.4	1419.0	1417.8	1416.2	1417.8
7.5°	1416.2	1416.2	1415.0	1413.9	1414.7
10°	1410.3	1411.5	1410.3	1409.1	1410.7
12.5°	1402.4	1404.3	1404.0	1404.0	1405.1
15°	1394.4	1396.0	1395.6	1395.6	1398.4
17.5°	1383.3	1385.3	1385.7	1386.5	1388.1
20°	1369.5	1372.2	1373.8	1373.4	1374.6
22.5°	1353.2	1356.4	1357.6	1358.4	1357.6
25°	1334.6	1338.2	1340.5	1339.7	1338.5
27.5°	1312.0	1316.0	1319.1	1317.1	1314.8
30°	1286.6	1290.2	1294.9	1291.4	1289.0
32.5°	1255.3	1262.0	1266.4	1262.0	1258.5
35°	1224.0	1229.5	1233.5	1227.6	1222.8
37.5°	1185.9	1192.7	1196.3	1187.9	1182.8
40°	1145.9	1152.7	1154.6	1143.9	1137.2
42.5°	1100.3	1107.9	1108.7	1093.6	1086.1
45°	1051.6	1058.3	1055.5	1038.1	1030.2
47.5°	998.9	1003.6	997.7	979.8	971.1
50°	941.0	943.8	936.6	915.6	907.3
52.5°	879.9	879.5	870.4	849.4	840.3
55°	813.0	809.8	799.9	778.9	771.3
57.5°	744.4	734.5	723.8	705.9	696.0
60°	665.5	658.0	648.5	630.6	623.1
62.5°	591.0	577.5	569.6	553.7	547.0
65°	507.4	495.1	488.7	478.0	468.9
67.5°	423.3	413.8	409.5	401.9	393.6
70°	338.5	335.7	333.3	326.2	321.1
72.5°	263.6	262.8	262.4	258.4	253.3
75°	195.8	197.0	197.8	194.2	189.9
77.5°	139.5	141.5	141.1	139.1	137.9
80°	91.2	92.8	93.9	92.0	92.0
82.5°	55.1	56.7	56.3	57.1	55.5
85°	27.3	28.5	28.5	28.1	27.7
87.5°	9.9	10.3	9.9	10.3	9.9
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)