

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: P506640

Luminaire Tested: **24PD-40-PW1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506640
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-L850
Description: 4000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

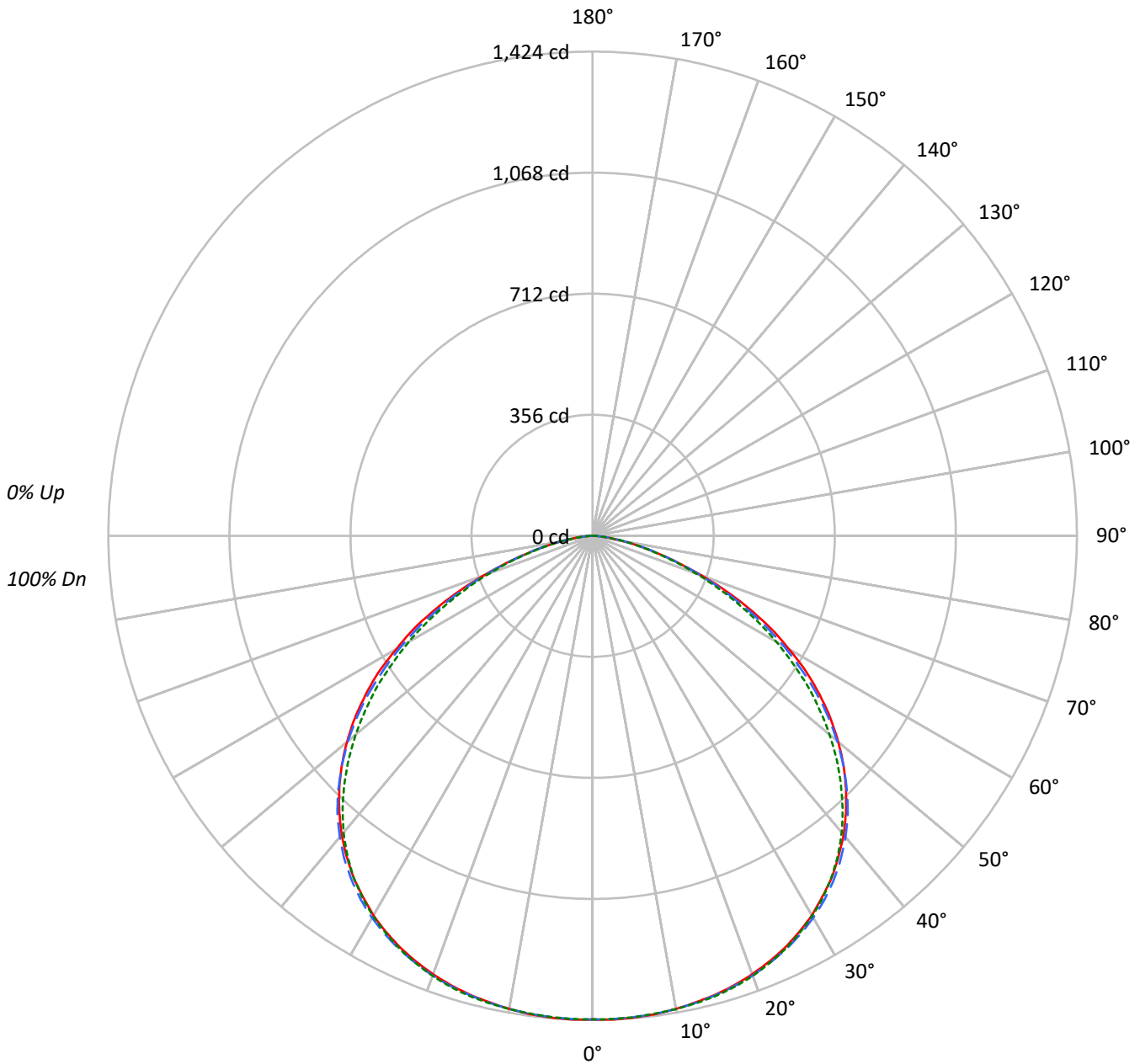
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4171.6 lumens
Efficiency: N/A
Efficacy: 141.9 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				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°	1914	1914	1914
5°	1921	1919	1919
10°	1931	1931	1931
15°	1946	1948	1952
20°	1965	1971	1972
25°	1985	1994	1991
30°	2003	2016	2007
35°	2014	2030	2012
40°	2017	2032	2001
45°	2005	2012	1964
50°	1973	1964	1903
55°	1911	1880	1813
60°	1794	1748	1680
65°	1618	1559	1496
70°	1334	1314	1266
75°	1020	1030	989
80°	707	729	714
85°	423	442	429



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.4	3.2
10°-20°	395.5	9.5
20°-30°	618.5	14.8
30°-40°	769.3	18.4
40°-50°	808.5	19.4
50°-60°	709.7	17.0
60°-70°	483.2	11.6
70°-80°	213.2	5.1
80°-90°	38.4	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°	1149.3	27.6
0°-40°	1918.7	46.0
0°-60°	3436.8	82.4
0°-90°	4171.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4171.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1422	1422	1422	1422	1422	
5°	1422	1422	1421	1419	1421	135
15°	1397	1399	1398	1398	1401	395
25°	1337	1341	1343	1342	1341	617
35°	1226	1232	1236	1230	1225	766
45°	1054	1060	1058	1040	1032	811
55°	814	811	801	780	773	726
65°	508	496	490	479	470	501
75°	196	197	198	195	190	215
85°	27	29	29	28	28	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1422.5	1422.5	1422.5	1422.5	1422.5
2.5°	1424.1	1423.3	1422.5	1421.4	1422.5
5°	1422.1	1421.8	1420.6	1419.0	1420.6
7.5°	1419.0	1419.0	1417.8	1416.6	1417.4
10°	1413.0	1414.2	1413.0	1411.8	1413.4
12.5°	1405.1	1407.1	1406.7	1406.7	1407.9
15°	1397.1	1398.7	1398.3	1398.3	1401.1
17.5°	1386.0	1388.0	1388.4	1389.2	1390.8
20°	1372.1	1374.9	1376.5	1376.1	1377.3
22.5°	1355.8	1359.0	1360.2	1361.0	1360.2
25°	1337.2	1340.7	1343.1	1342.3	1341.1
27.5°	1314.5	1318.5	1321.7	1319.7	1317.3
30°	1289.1	1292.7	1297.4	1293.9	1291.5
32.5°	1257.7	1264.5	1268.9	1264.5	1260.9
35°	1226.4	1231.9	1235.9	1229.9	1225.2
37.5°	1188.2	1195.0	1198.6	1190.2	1185.1
40°	1148.1	1154.9	1156.9	1146.1	1139.4
42.5°	1102.5	1110.0	1110.8	1095.7	1088.2
45°	1053.6	1060.4	1057.6	1040.1	1032.2
47.5°	1000.8	1005.6	999.6	981.7	973.0
50°	942.8	945.6	938.4	917.4	909.0
52.5°	881.6	881.2	872.1	851.1	841.9
55°	814.5	811.4	801.4	780.4	772.8
57.5°	745.8	735.9	725.2	707.3	697.4
60°	666.8	659.2	649.7	631.8	624.3
62.5°	592.1	578.6	570.7	554.8	548.0
65°	508.3	496.0	489.7	478.9	469.8
67.5°	424.1	414.6	410.2	402.7	394.4
70°	339.2	336.4	334.0	326.8	321.7
72.5°	264.1	263.3	262.9	258.9	253.8
75°	196.2	197.4	198.2	194.6	190.2
77.5°	139.8	141.8	141.4	139.4	138.2
80°	91.3	92.9	94.1	92.1	92.1
82.5°	55.2	56.8	56.4	57.2	55.6
85°	27.4	28.6	28.6	28.2	27.8
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)