

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: P506292

Luminaire Tested: **22PD-40-PW1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-40-PW1-L935
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

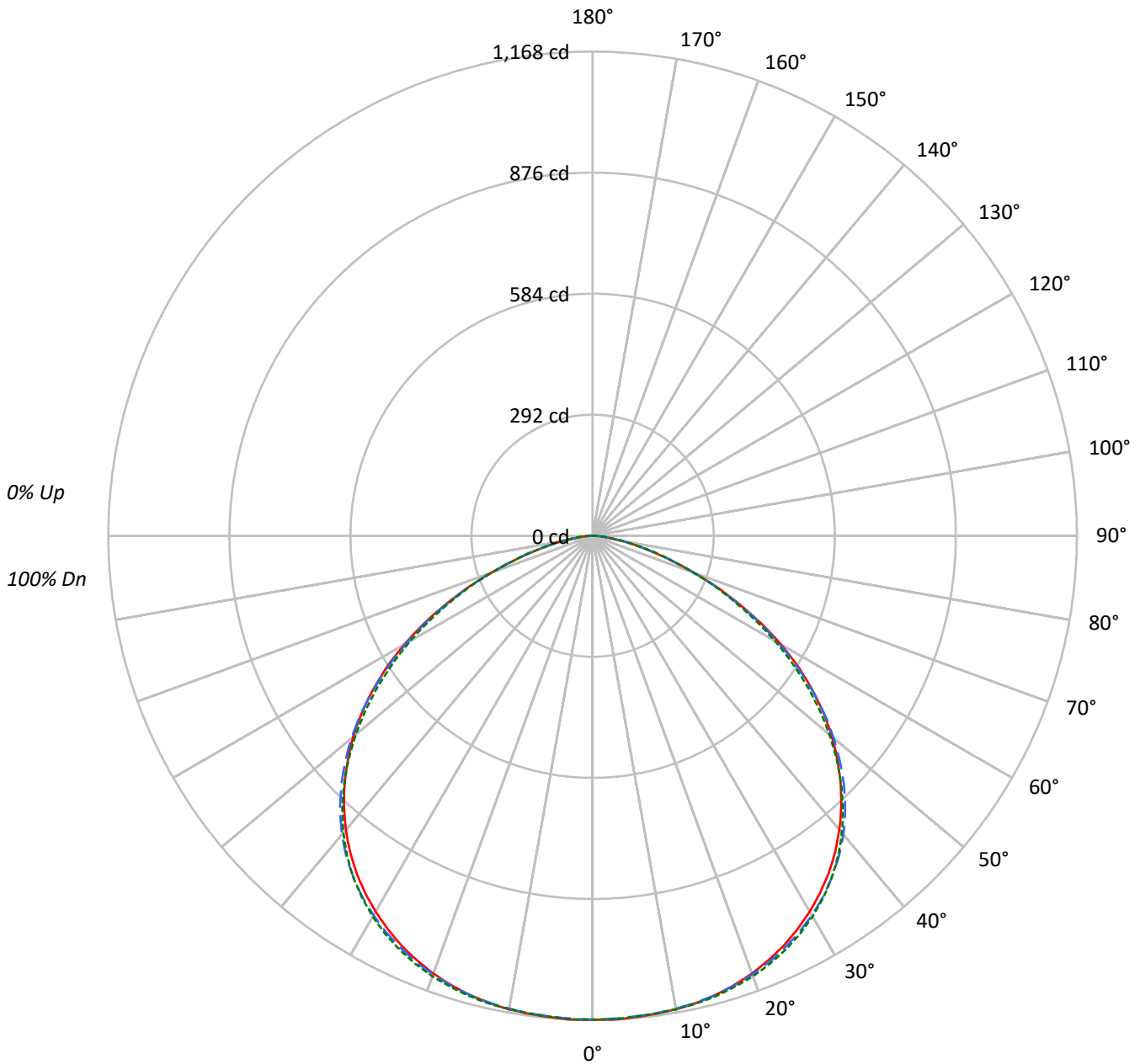
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3373.7 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 32.6
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	99	96	93	95	92	90	91	89	87	85								
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72								
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61								
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52								
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45								
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39								
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35								
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31								
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28								
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3141	3141	3141
5°	3149	3145	3146
10°	3170	3165	3169
15°	3195	3193	3203
20°	3218	3225	3238
25°	3238	3256	3271
30°	3253	3284	3296
35°	3261	3304	3305
40°	3251	3304	3285
45°	3219	3265	3226
50°	3154	3176	3119
55°	3031	3018	2961
60°	2822	2791	2732
65°	2488	2465	2417
70°	2038	2048	2006
75°	1544	1596	1582
80°	1119	1164	1144
85°	735	760	812



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	3.3
10°-20°	324.1	9.6
20°-30°	505.4	15.0
30°-40°	626.3	18.6
40°-50°	655.4	19.4
50°-60°	571.1	16.9
60°-70°	382.6	11.3
70°-80°	165.8	4.9
80°-90°	31.9	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°	940.5	27.9
0°-40°	1566.8	46.4
0°-60°	2793.3	82.8
0°-90°	3373.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3373.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1167	1167	1167	1167	1167	
5°	1166	1165	1164	1164	1165	111
15°	1147	1145	1146	1148	1150	324
25°	1090	1091	1097	1100	1102	503
35°	993	996	1006	1007	1006	621
45°	846	850	858	851	848	651
55°	646	646	643	636	631	575
65°	391	389	387	383	380	387
75°	148	151	154	152	152	164
85°	24	25	25	25	26	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1167.1	1167.1	1167.1	1167.1	1167.1
2.5°	1168.4	1166.3	1165.9	1165.9	1167.1
5°	1165.9	1164.6	1164.2	1163.8	1164.6
7.5°	1163.4	1161.7	1162.1	1161.3	1162.1
10°	1160.0	1158.3	1158.3	1158.3	1159.6
12.5°	1154.2	1152.9	1153.3	1154.2	1155.8
15°	1146.7	1145.0	1146.3	1147.5	1149.6
17.5°	1136.2	1135.0	1137.1	1139.2	1140.8
20°	1123.7	1122.5	1126.2	1129.1	1130.8
22.5°	1108.3	1107.9	1112.9	1116.2	1117.5
25°	1090.4	1090.8	1096.6	1099.9	1101.6
27.5°	1069.9	1070.8	1078.3	1081.2	1082.8
30°	1047.0	1049.1	1057.0	1059.5	1060.7
32.5°	1021.1	1024.0	1033.6	1035.3	1035.3
35°	992.7	996.5	1005.7	1006.9	1006.1
37.5°	961.0	965.2	975.6	974.0	972.7
40°	925.6	930.2	940.6	937.3	935.2
42.5°	887.6	892.2	901.4	896.4	893.5
45°	845.9	850.5	858.0	850.9	847.6
47.5°	800.9	806.3	810.1	802.1	798.0
50°	753.3	755.0	758.7	749.6	745.0
52.5°	701.6	701.6	704.5	694.5	689.1
55°	646.1	645.7	643.2	636.1	631.1
57.5°	587.3	584.8	583.1	575.6	569.8
60°	524.3	520.6	518.5	512.2	507.6
62.5°	458.4	456.3	453.8	448.8	443.8
65°	390.8	388.8	387.1	383.3	379.6
67.5°	323.7	322.4	322.4	319.9	319.5
70°	259.0	259.9	260.3	260.3	254.9
72.5°	200.6	201.1	203.1	201.5	201.1
75°	148.5	151.0	153.5	152.2	152.2
77.5°	106.8	110.5	110.5	109.7	108.5
80°	72.2	73.8	75.1	74.7	73.8
82.5°	45.9	47.1	45.9	46.7	47.1
85°	23.8	25.4	24.6	25.0	26.3
87.5°	7.9	8.8	9.2	8.8	8.8
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)