

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: P506274

Luminaire Tested: **22PD-40-PL1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506274
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-40-PL1-L935
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

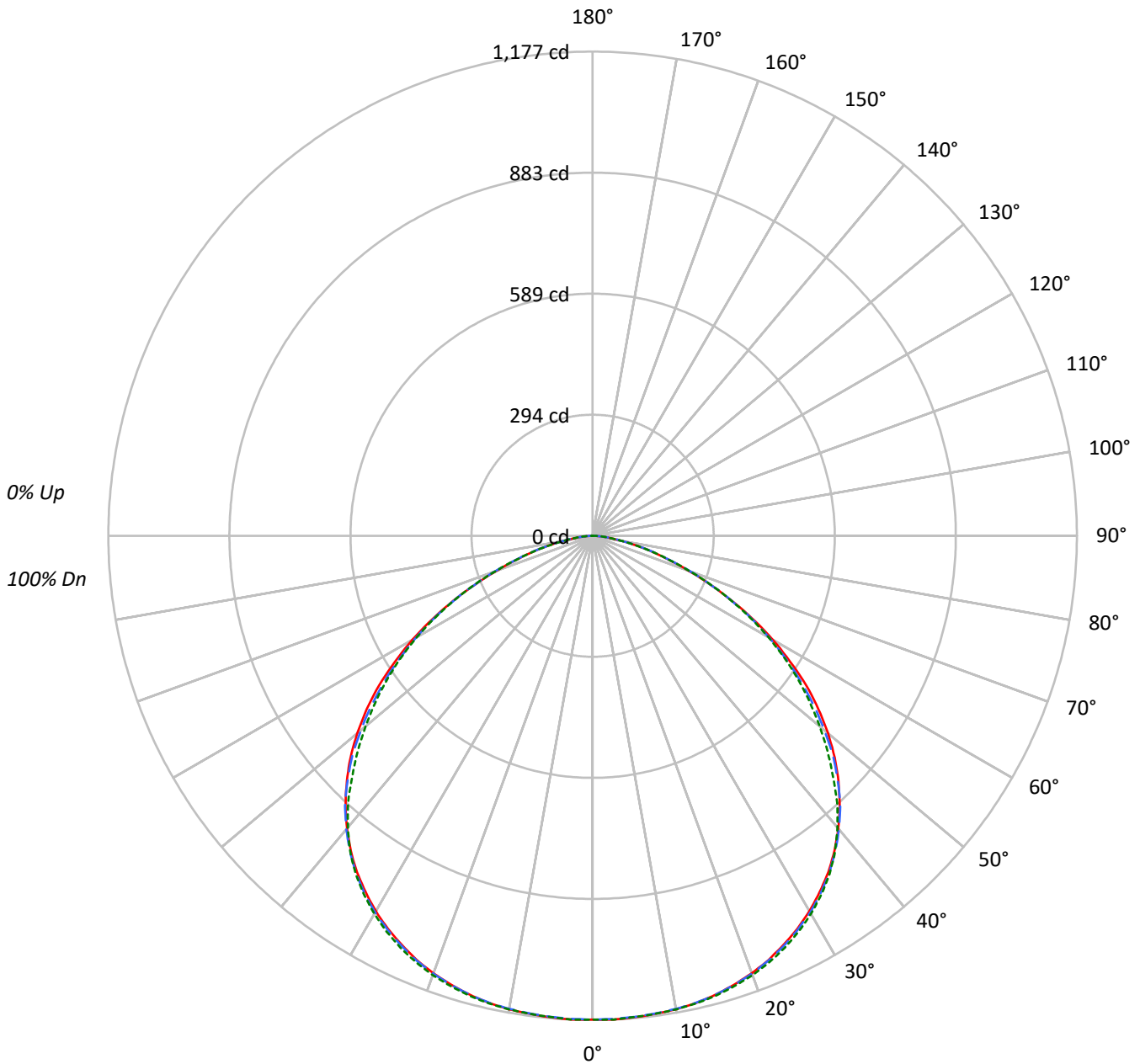
Lumens per Lamp: N/A
Luminaire Lumens: 3332.0 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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									
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	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3166	3166	3166
5°	3174	3171	3172
10°	3194	3191	3194
15°	3217	3217	3224
20°	3241	3244	3255
25°	3258	3265	3281
30°	3274	3285	3297
35°	3279	3290	3297
40°	3262	3271	3251
45°	3216	3206	3142
50°	3125	3076	3014
55°	2974	2898	2865
60°	2722	2671	2655
65°	2374	2369	2360
70°	1946	1978	1972
75°	1542	1568	1542
80°	1130	1124	1117
85°	753	741	794



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.9	3.4
10°-20°	326.4	9.8
20°-30°	507.4	15.2
30°-40°	625.5	18.8
40°-50°	646.0	19.4
50°-60°	552.8	16.6
60°-70°	368.9	11.1
70°-80°	161.9	4.9
80°-90°	31.3	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°	945.6	28.4
0°-40°	1571.1	47.2
0°-60°	2769.9	83.1
0°-90°	3332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3332.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1176	1176	1176	1176	1176	
5°	1175	1174	1174	1173	1174	112
15°	1155	1154	1155	1156	1157	326
25°	1097	1097	1100	1103	1105	506
35°	998	998	1002	1004	1004	624
45°	845	845	842	835	826	650
55°	634	626	618	614	611	563
65°	373	372	372	373	371	370
75°	148	147	151	150	148	161
85°	24	24	24	25	26	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1176.4	1176.4	1176.4	1176.4	1176.4
2.5°	1177.2	1175.6	1175.1	1175.1	1177.2
5°	1175.1	1173.5	1173.9	1173.1	1174.3
7.5°	1172.2	1170.6	1171.0	1170.6	1172.2
10°	1168.9	1167.3	1167.7	1167.3	1168.9
12.5°	1163.1	1161.9	1162.7	1163.1	1164.4
15°	1154.8	1153.6	1154.8	1155.7	1157.3
17.5°	1144.1	1143.2	1144.5	1145.7	1147.8
20°	1131.6	1130.8	1132.9	1134.1	1136.6
22.5°	1116.3	1115.5	1117.6	1120.5	1122.1
25°	1097.3	1097.3	1099.8	1103.1	1105.1
27.5°	1077.0	1076.6	1079.5	1082.8	1084.8
30°	1053.8	1052.9	1057.1	1060.0	1061.2
32.5°	1026.8	1027.3	1031.0	1033.9	1034.3
35°	998.3	998.3	1001.6	1003.7	1003.7
37.5°	965.5	965.1	968.4	969.3	968.0
40°	928.7	929.1	931.2	930.7	925.4
42.5°	888.9	889.3	891.0	885.2	879.8
45°	845.0	844.6	842.5	834.7	825.5
47.5°	798.2	796.1	792.8	780.8	774.2
50°	746.4	743.1	734.8	725.3	719.9
52.5°	691.7	685.9	677.7	670.2	665.6
55°	633.8	625.9	617.6	614.3	610.6
57.5°	569.1	564.2	557.1	555.5	553.0
60°	505.8	500.4	496.2	496.2	493.3
62.5°	439.5	436.2	434.5	435.3	432.4
65°	372.8	372.0	372.0	373.2	370.7
67.5°	308.2	309.8	309.4	313.6	310.2
70°	247.3	250.2	251.4	255.6	250.6
72.5°	194.7	195.1	196.8	198.0	195.5
75°	148.3	147.0	150.8	149.9	148.3
77.5°	107.3	106.5	107.7	108.5	106.5
80°	72.9	72.1	72.5	73.7	72.1
82.5°	46.0	45.1	45.1	46.4	46.0
85°	24.4	24.0	24.0	24.9	25.7
87.5°	8.7	8.3	8.7	8.7	8.7
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)