

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: P506283

Luminaire Tested: **22PD-40-PR1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506283
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-40-PR1-L935
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

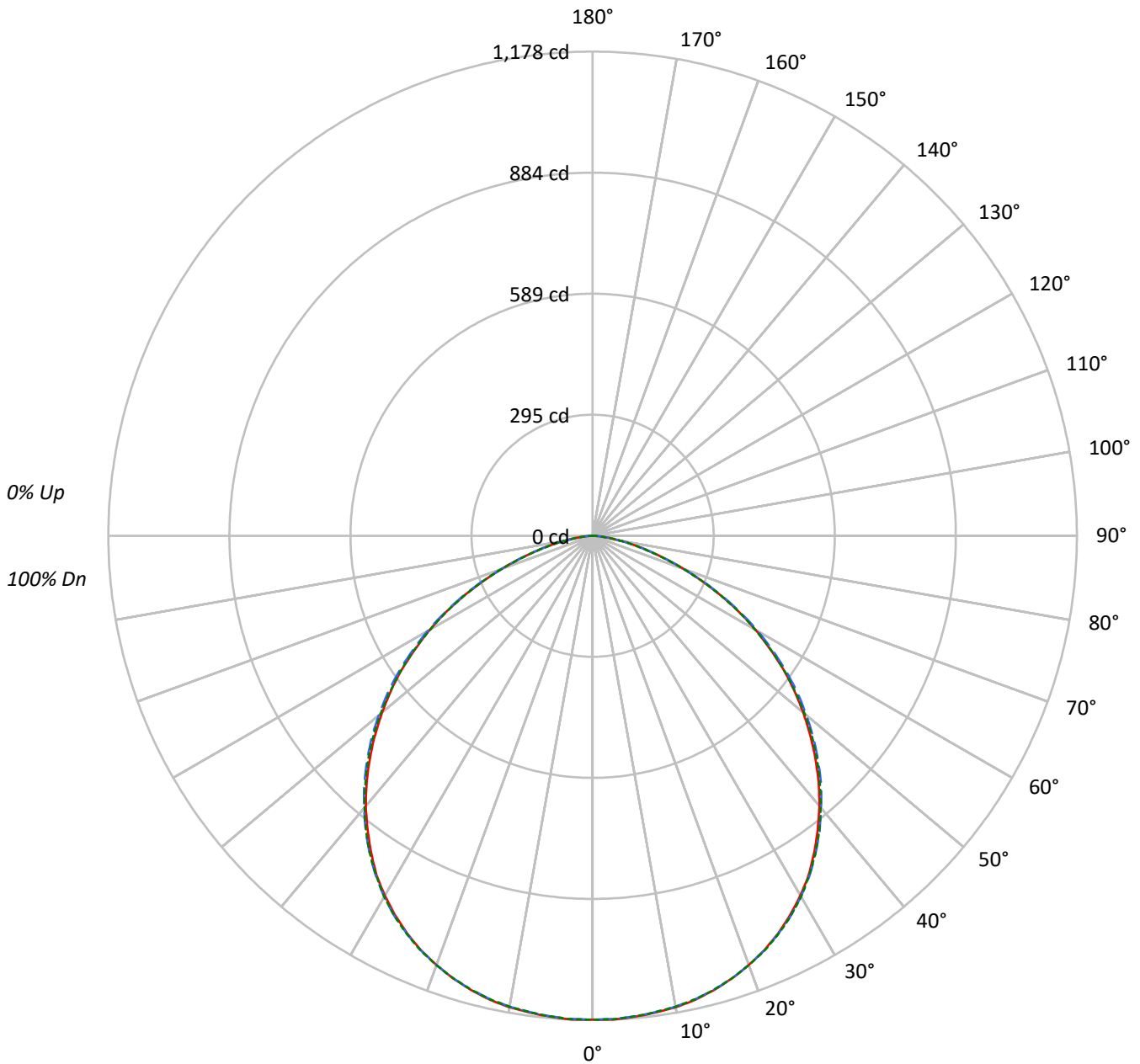
Lumens per Lamp: N/A
Luminaire Lumens: 3146.0 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85																			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72																			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61																			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53																			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40																			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36																			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29																			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3168	3168	3168
5°	3173	3171	3171
10°	3183	3178	3178
15°	3187	3183	3185
20°	3182	3181	3183
25°	3169	3172	3175
30°	3140	3150	3151
35°	3087	3104	3103
40°	3015	3036	3032
45°	2916	2954	2939
50°	2798	2841	2817
55°	2656	2698	2659
60°	2462	2496	2454
65°	2197	2219	2194
70°	1847	1847	1836
75°	1448	1448	1432
80°	1060	1049	1043
85°	692	692	704



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.7	3.6
10°-20°	322.6	10.3
20°-30°	492.1	15.6
30°-40°	589.8	18.7
40°-50°	595.7	18.9
50°-60°	509.7	16.2
60°-70°	343.7	10.9
70°-80°	151.6	4.8
80°-90°	29.1	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°	926.5	29.4
0°-40°	1516.3	48.2
0°-60°	2621.6	83.3
0°-90°	3146.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3146.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1177	1177	1177	1177	1177	
5°	1175	1173	1174	1173	1174	112
15°	1144	1144	1143	1142	1143	323
25°	1067	1068	1068	1068	1069	492
35°	940	945	945	944	944	587
45°	766	772	776	775	772	591
55°	566	571	575	574	567	504
65°	345	348	348	348	345	341
75°	139	140	139	140	138	152
85°	22	22	22	23	23	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1177.3	1177.3	1177.3	1177.3	1177.3
2.5°	1178.1	1176.6	1176.2	1175.8	1177.3
5°	1174.6	1173.0	1173.8	1173.0	1173.8
7.5°	1170.3	1168.7	1169.1	1168.3	1169.1
10°	1164.8	1163.2	1163.2	1162.4	1163.2
12.5°	1156.1	1154.9	1154.5	1153.7	1154.9
15°	1143.9	1143.5	1142.7	1142.3	1143.1
17.5°	1129.0	1128.2	1129.0	1127.8	1128.6
20°	1111.3	1111.6	1110.9	1111.3	1111.6
22.5°	1091.2	1091.2	1091.6	1091.6	1092.4
25°	1067.2	1068.4	1068.4	1068.4	1069.2
27.5°	1040.4	1042.0	1043.2	1042.4	1043.2
30°	1010.6	1013.3	1013.7	1013.3	1014.1
32.5°	978.3	980.3	981.4	980.7	979.9
35°	939.7	945.3	944.9	944.1	944.5
37.5°	899.2	904.7	906.7	905.1	905.5
40°	858.3	863.0	864.2	864.6	863.0
42.5°	813.1	818.6	822.9	821.0	818.6
45°	766.3	772.2	776.1	774.9	772.2
47.5°	717.9	723.4	728.9	726.9	724.2
50°	668.3	673.8	678.6	677.8	673.0
52.5°	617.6	623.9	628.2	626.6	620.3
55°	566.1	571.2	575.1	574.3	566.8
57.5°	510.2	516.9	518.8	517.7	512.2
60°	457.5	461.8	463.8	462.2	455.9
62.5°	401.2	404.8	406.3	406.0	401.6
65°	345.0	347.7	348.5	347.7	344.6
67.5°	287.2	291.1	291.5	291.5	288.3
70°	234.8	236.0	234.8	238.0	233.3
72.5°	184.1	184.9	184.1	184.1	182.1
75°	139.3	139.6	139.3	139.6	137.7
77.5°	100.7	101.5	99.9	101.1	99.1
80°	68.4	68.4	67.7	68.1	67.3
82.5°	42.5	43.3	42.1	42.1	41.7
85°	22.4	22.4	22.4	22.8	22.8
87.5°	7.9	7.9	8.3	8.3	7.9
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)