

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: P506243

Luminaire Tested: **22PD-35-PL1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506243
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-35-PL1-L840
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

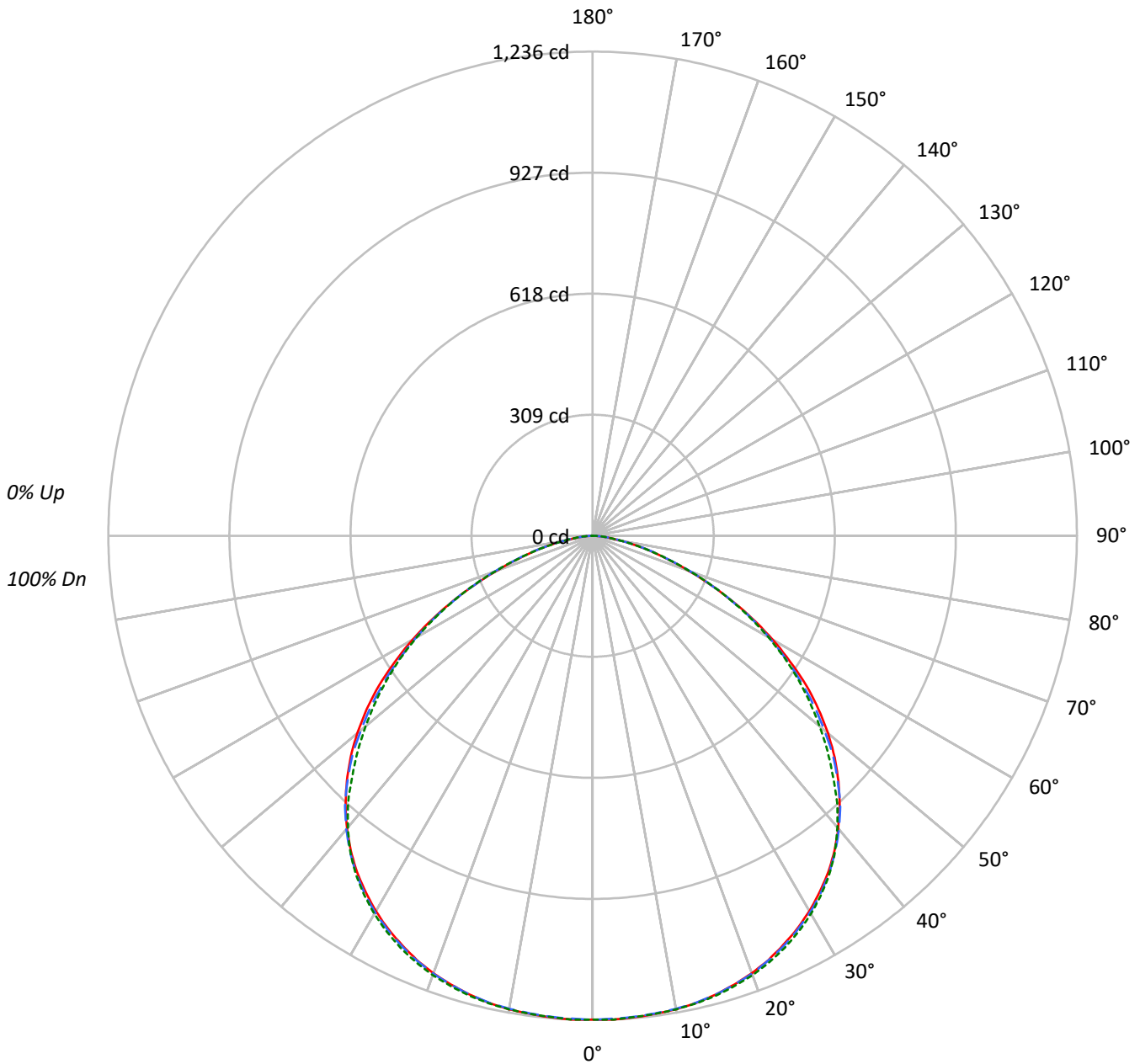
Lumens per Lamp: N/A
Luminaire Lumens: 3498.8 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	63	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°	3324	3324	3324
5°	3333	3330	3331
10°	3354	3350	3354
15°	3378	3378	3385
20°	3403	3407	3418
25°	3421	3429	3445
30°	3438	3449	3462
35°	3443	3455	3462
40°	3426	3435	3413
45°	3377	3367	3299
50°	3281	3230	3165
55°	3122	3042	3008
60°	2858	2805	2788
65°	2493	2487	2479
70°	2043	2077	2070
75°	1619	1646	1619
80°	1187	1179	1173
85°	794	778	834



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.5	3.4
10°-20°	342.7	9.8
20°-30°	532.7	15.2
30°-40°	656.8	18.8
40°-50°	678.4	19.4
50°-60°	580.5	16.6
60°-70°	387.4	11.1
70°-80°	170.0	4.9
80°-90°	32.9	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°	992.9	28.4
0°-40°	1649.7	47.2
0°-60°	2908.5	83.1
0°-90°	3498.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3498.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1235	1235	1235	1235	1235	
5°	1234	1232	1233	1232	1233	118
15°	1213	1211	1213	1214	1215	343
25°	1152	1152	1155	1158	1160	531
35°	1048	1048	1052	1054	1054	655
45°	887	887	885	876	867	683
55°	666	657	648	645	641	592
65°	392	391	391	392	389	388
75°	156	154	158	158	156	169
85°	26	25	25	26	27	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1235.3	1235.3	1235.3	1235.3	1235.3
2.5°	1236.1	1234.4	1233.9	1233.9	1236.1
5°	1233.9	1232.2	1232.6	1231.8	1233.1
7.5°	1230.9	1229.2	1229.6	1229.2	1230.9
10°	1227.4	1225.7	1226.1	1225.7	1227.4
12.5°	1221.3	1220.0	1220.9	1221.3	1222.6
15°	1212.6	1211.3	1212.6	1213.5	1215.2
17.5°	1201.3	1200.5	1201.8	1203.1	1205.2
20°	1188.3	1187.4	1189.6	1190.9	1193.5
22.5°	1172.2	1171.3	1173.5	1176.5	1178.3
25°	1152.2	1152.2	1154.8	1158.3	1160.4
27.5°	1130.9	1130.4	1133.5	1137.0	1139.1
30°	1106.5	1105.6	1110.0	1113.0	1114.3
32.5°	1078.2	1078.7	1082.6	1085.6	1086.1
35°	1048.2	1048.2	1051.7	1053.9	1053.9
37.5°	1013.9	1013.4	1016.9	1017.8	1016.5
40°	975.2	975.6	977.8	977.3	971.7
42.5°	933.4	933.8	935.6	929.5	923.8
45°	887.3	886.9	884.7	876.4	866.9
47.5°	838.1	836.0	832.5	819.9	812.9
50°	783.8	780.3	771.6	761.6	755.9
52.5°	726.4	720.3	711.6	703.7	699.0
55°	665.5	657.2	648.5	645.0	641.1
57.5°	597.6	592.4	585.0	583.3	580.7
60°	531.1	525.4	521.1	521.1	518.0
62.5°	461.5	458.0	456.3	457.1	454.1
65°	391.5	390.6	390.6	391.9	389.3
67.5°	323.6	325.3	324.9	329.3	325.8
70°	259.7	262.7	264.0	268.4	263.1
72.5°	204.4	204.9	206.6	207.9	205.3
75°	155.7	154.4	158.3	157.5	155.7
77.5°	112.7	111.8	113.1	114.0	111.8
80°	76.6	75.7	76.1	77.4	75.7
82.5°	48.3	47.4	47.4	48.7	48.3
85°	25.7	25.2	25.2	26.1	27.0
87.5°	9.1	8.7	9.1	9.1	9.1
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)