

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: P506252

Luminaire Tested: **22PD-35-PR1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506252
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-35-PR1-L840
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

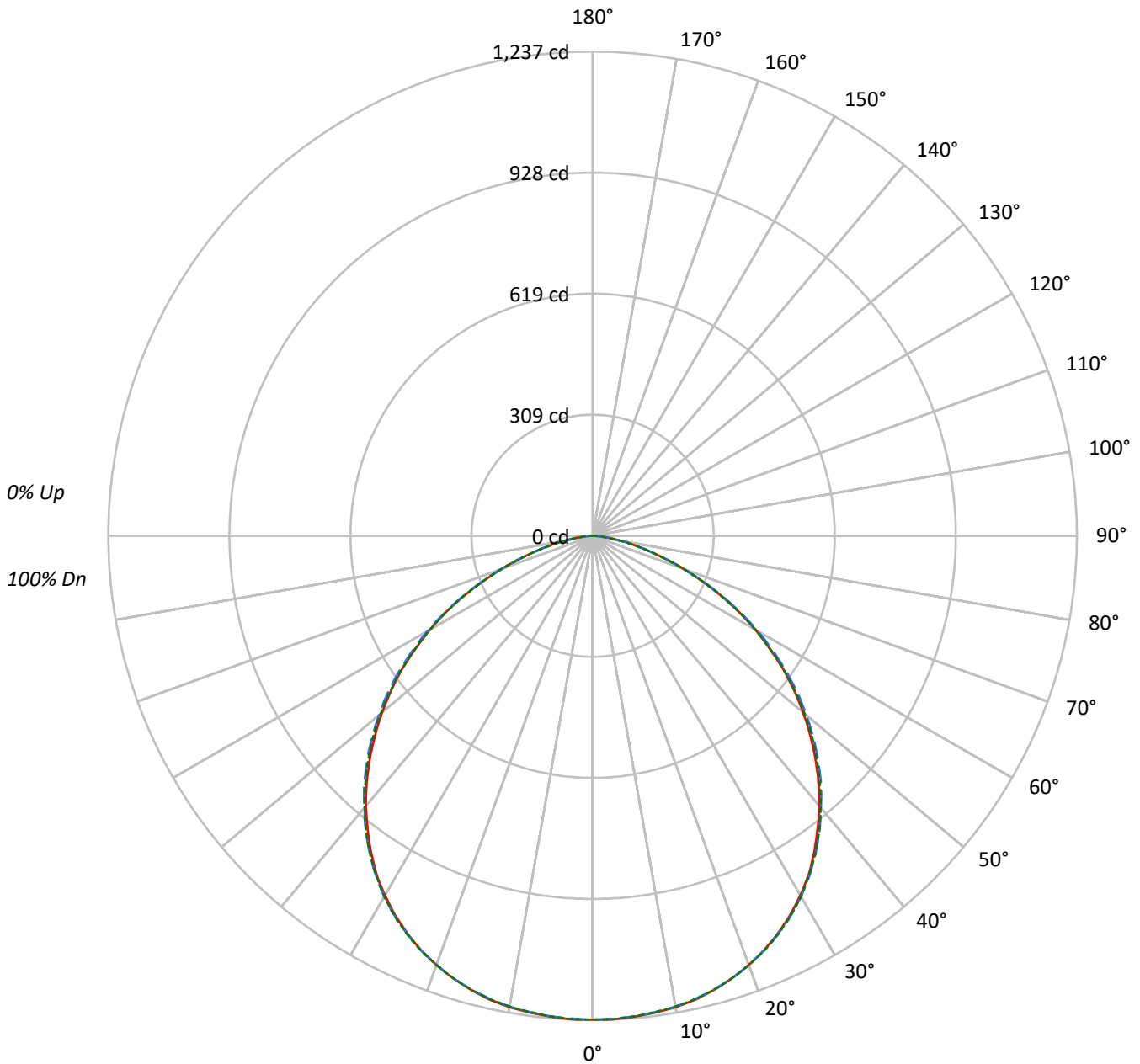
Lumens per Lamp: N/A
Luminaire Lumens: 3303.0 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P506252

CATALOG NUMBER: 22PD-35-PR1-L840

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			100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85			85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72			72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61			61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53			53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46			46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40			40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36			36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32			32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29			29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26			26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3326	3326	3326
5°	3331	3329	3329
10°	3342	3337	3337
15°	3346	3343	3344
20°	3341	3340	3342
25°	3327	3331	3333
30°	3297	3307	3308
35°	3241	3259	3257
40°	3166	3188	3183
45°	3062	3101	3085
50°	2938	2982	2958
55°	2788	2833	2792
60°	2585	2620	2576
65°	2306	2330	2304
70°	1940	1940	1927
75°	1520	1520	1502
80°	1114	1100	1094
85°	726	726	741



TEST NUMBER: P506252

CATALOG NUMBER: 22PD-35-PR1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.3	3.6
10°-20°	338.7	10.3
20°-30°	516.7	15.6
30°-40°	619.3	18.7
40°-50°	625.4	18.9
50°-60°	535.1	16.2
60°-70°	360.8	10.9
70°-80°	159.2	4.8
80°-90°	30.6	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°	972.7	29.4
0°-40°	1592.0	48.2
0°-60°	2752.4	83.3
0°-90°	3303.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3303.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1236	1236	1236	1236	1236	
5°	1233	1232	1232	1232	1232	117
15°	1201	1201	1200	1199	1200	339
25°	1120	1122	1122	1122	1122	516
35°	987	992	992	991	992	617
45°	804	811	815	814	811	620
55°	594	600	604	603	595	530
65°	362	365	366	365	362	358
75°	146	147	146	147	144	159
85°	24	24	24	24	24	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1236.1	1236.1	1236.1	1236.1	1236.1
2.5°	1236.9	1235.3	1234.9	1234.4	1236.1
5°	1233.2	1231.6	1232.4	1231.6	1232.4
7.5°	1228.7	1227.0	1227.4	1226.6	1227.4
10°	1222.9	1221.2	1221.2	1220.4	1221.2
12.5°	1213.8	1212.6	1212.1	1211.3	1212.6
15°	1201.0	1200.6	1199.8	1199.3	1200.2
17.5°	1185.3	1184.5	1185.3	1184.1	1184.9
20°	1166.7	1167.1	1166.3	1166.7	1167.1
22.5°	1145.6	1145.6	1146.1	1146.1	1146.9
25°	1120.5	1121.7	1121.7	1121.7	1122.5
27.5°	1092.4	1094.0	1095.3	1094.4	1095.3
30°	1061.0	1063.9	1064.3	1063.9	1064.7
32.5°	1027.1	1029.2	1030.4	1029.6	1028.8
35°	986.6	992.4	992.0	991.2	991.6
37.5°	944.1	949.9	952.0	950.3	950.7
40°	901.2	906.1	907.4	907.8	906.1
42.5°	853.7	859.4	864.0	861.9	859.4
45°	804.5	810.7	814.8	813.6	810.7
47.5°	753.7	759.5	765.3	763.2	760.3
50°	701.7	707.5	712.4	711.6	706.6
52.5°	648.4	655.0	659.6	657.9	651.3
55°	594.3	599.7	603.8	603.0	595.1
57.5°	535.7	542.7	544.7	543.5	537.7
60°	480.3	484.9	486.9	485.3	478.7
62.5°	421.3	425.0	426.6	426.2	421.7
65°	362.2	365.1	365.9	365.1	361.8
67.5°	301.5	305.6	306.0	306.0	302.7
70°	246.6	247.8	246.6	249.9	244.9
72.5°	193.3	194.1	193.3	193.3	191.2
75°	146.2	146.6	146.2	146.6	144.5
77.5°	105.7	106.6	104.9	106.1	104.1
80°	71.9	71.9	71.0	71.4	70.6
82.5°	44.6	45.4	44.2	44.2	43.8
85°	23.5	23.5	23.5	24.0	24.0
87.5°	8.3	8.3	8.7	8.7	8.3
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)