

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: P505910

Luminaire Tested: **14PD-35-PW1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505910
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-35-PW1-L840
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

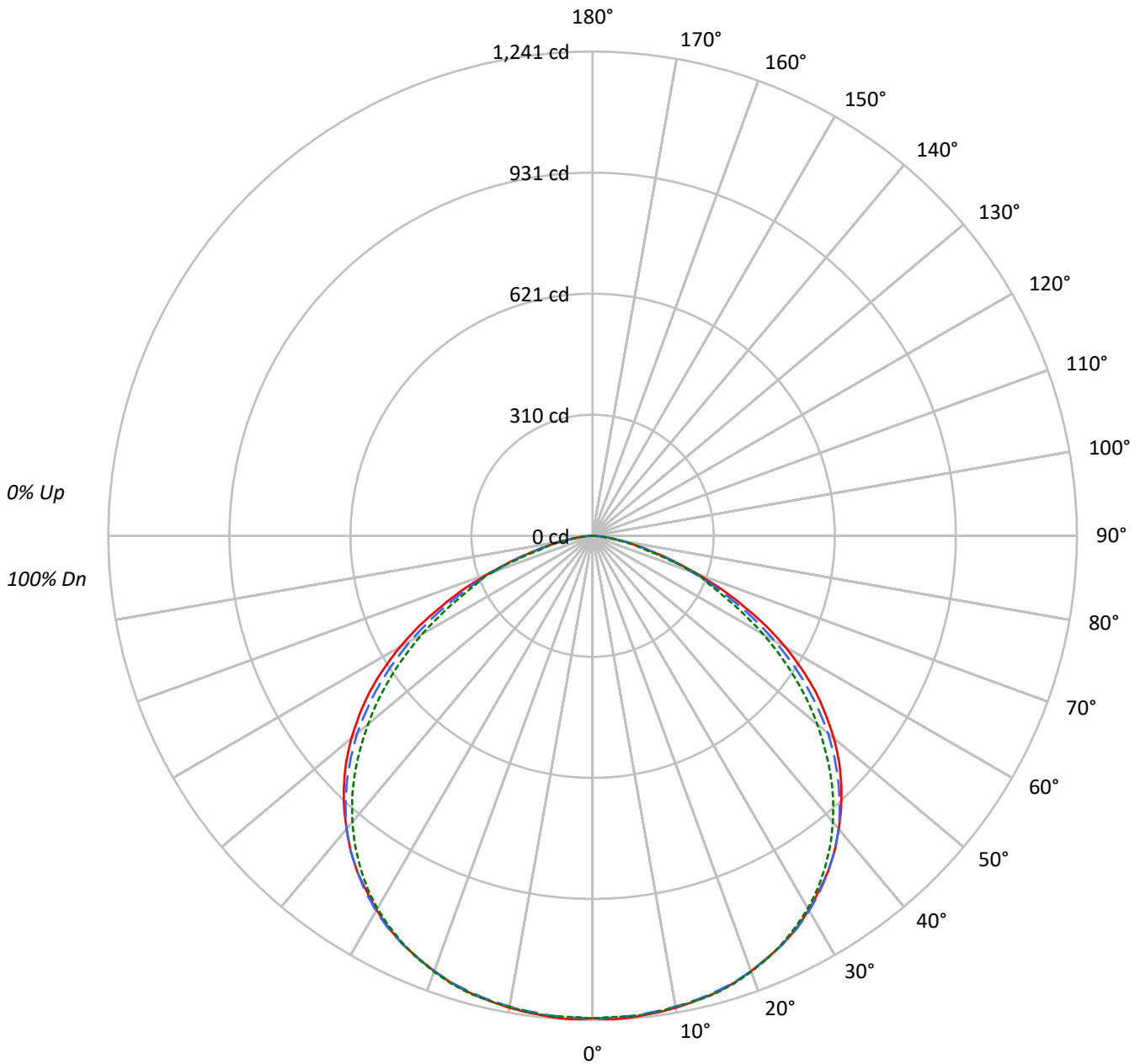
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3521.4 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.8
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					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	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	83	79	76	80	77	74	72								
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61								
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52								
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45								
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39								
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35								
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31								
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28								
10	54	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°	3327	3327	3327
5°	3344	3334	3338
10°	3358	3348	3350
15°	3380	3373	3384
20°	3401	3399	3405
25°	3426	3426	3420
30°	3443	3449	3427
35°	3453	3453	3410
40°	3447	3445	3364
45°	3429	3389	3280
50°	3377	3295	3146
55°	3273	3135	2965
60°	3066	2897	2716
65°	2715	2559	2390
70°	2216	2117	2233
75°	1672	1643	1475
80°	1203	1127	1127
85°	756	713	627



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.6	3.3
10°-20°	342.3	9.7
20°-30°	531.3	15.1
30°-40°	654.4	18.6
40°-50°	681.3	19.3
50°-60°	592.5	16.8
60°-70°	398.1	11.3
70°-80°	172.3	4.9
80°-90°	31.6	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°	991.2	28.1
0°-40°	1645.6	46.7
0°-60°	2919.4	82.9
0°-90°	3521.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3521.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1236	1236	1236	1236	1236	
5°	1238	1230	1234	1237	1236	118
15°	1213	1205	1211	1215	1215	343
25°	1154	1148	1154	1154	1152	532
35°	1051	1048	1051	1042	1038	657
45°	901	898	890	870	862	694
55°	698	685	668	642	632	620
65°	426	419	402	383	375	422
75°	161	162	158	162	142	177
85°	24	25	23	20	20	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1236.5	1236.5	1236.5	1236.5	1236.5
2.5°	1240.7	1233.0	1235.8	1240.0	1234.4
5°	1237.9	1230.2	1234.4	1237.2	1235.8
7.5°	1233.7	1228.1	1230.2	1233.0	1232.3
10°	1228.8	1223.2	1225.3	1228.1	1226.0
12.5°	1221.1	1214.8	1219.0	1221.8	1221.1
15°	1213.4	1205.0	1210.6	1214.8	1214.8
17.5°	1202.2	1195.2	1200.8	1204.3	1203.6
20°	1187.5	1182.6	1186.8	1189.6	1188.9
22.5°	1170.8	1167.3	1172.2	1172.2	1172.2
25°	1154.0	1148.4	1154.0	1154.0	1151.9
27.5°	1132.3	1127.4	1134.4	1132.3	1128.8
30°	1107.9	1105.1	1110.0	1106.5	1103.0
32.5°	1079.2	1077.8	1082.7	1075.7	1072.9
35°	1051.2	1048.4	1051.2	1042.2	1038.0
37.5°	1018.4	1015.6	1018.4	1006.5	1000.2
40°	981.3	979.2	980.6	965.3	957.6
42.5°	942.9	940.8	937.3	918.4	912.1
45°	901.0	898.2	890.5	870.2	861.8
47.5°	856.2	851.3	840.2	818.5	807.3
50°	806.6	799.6	787.0	763.3	751.4
52.5°	752.8	744.4	728.3	704.6	693.4
55°	697.6	685.0	668.2	641.6	631.9
57.5°	634.7	621.4	603.9	579.4	568.3
60°	569.7	556.4	538.2	515.8	504.7
62.5°	500.5	488.6	470.4	449.4	439.6
65°	426.4	418.7	401.9	383.0	375.3
67.5°	356.5	348.8	334.8	318.7	321.5
70°	281.7	281.0	269.1	257.9	283.8
72.5°	219.5	218.1	211.8	206.2	204.8
75°	160.8	162.2	158.0	161.5	141.9
77.5°	113.2	114.6	113.9	104.1	109.0
80°	77.6	77.6	72.7	69.2	72.7
82.5°	46.8	55.9	50.3	41.2	39.8
85°	24.5	25.2	23.1	20.3	20.3
87.5°	9.1	10.5	9.1	8.4	7.7
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)