

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: P505937

Luminaire Tested: **14PD-40-PW1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505937
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-40-PW1-L840
Description: 4000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

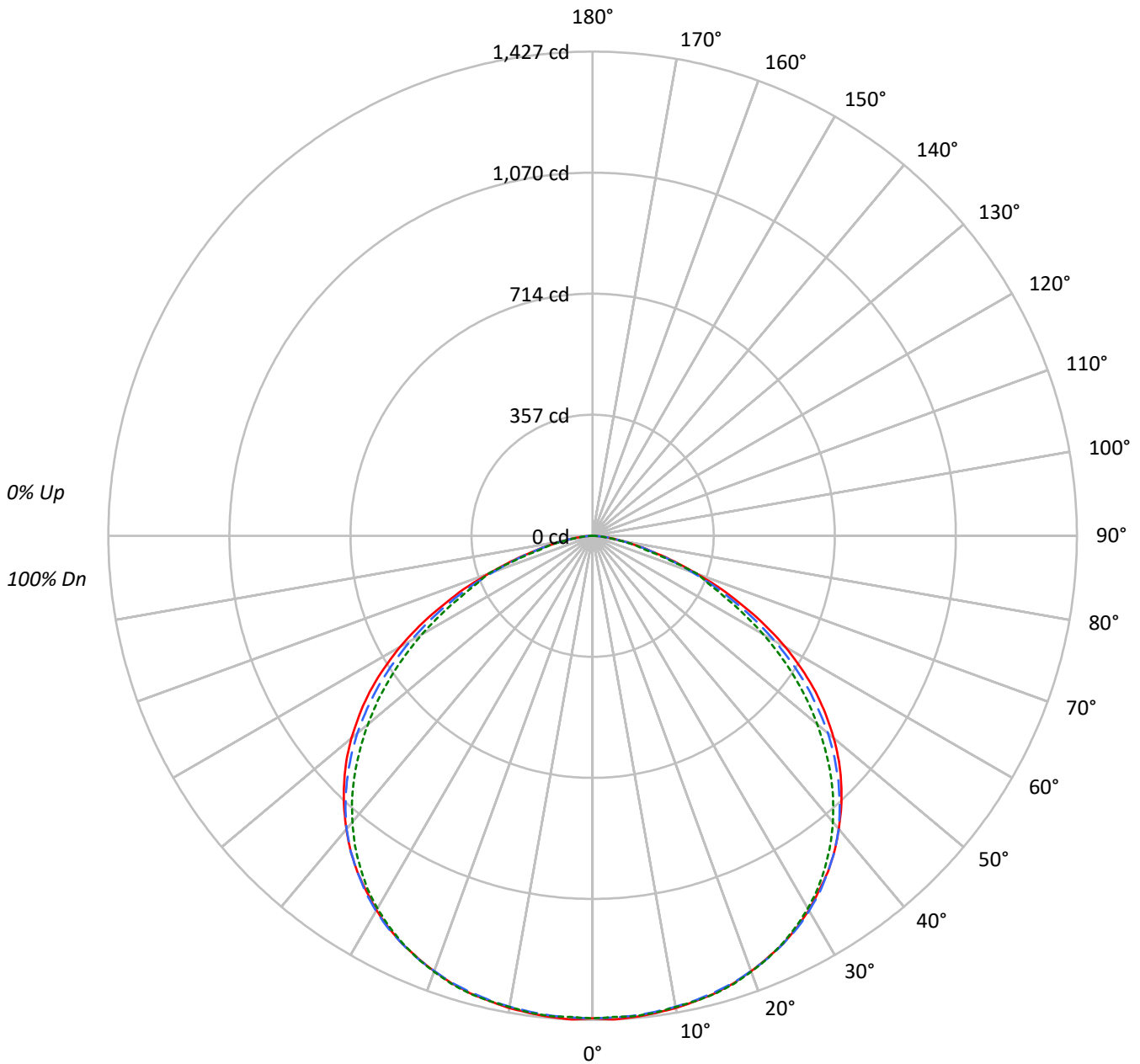
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4050.0 lumens
Efficiency: N/A
Efficacy: 107.1 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): 37.8
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: P505937
CATALOG NUMBER: 14PD-40-PW1-L840

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	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°	3827	3827	3827
5°	3846	3835	3839
10°	3862	3851	3853
15°	3888	3879	3892
20°	3911	3909	3916
25°	3941	3941	3934
30°	3959	3967	3942
35°	3972	3972	3922
40°	3965	3962	3869
45°	3943	3898	3772
50°	3884	3790	3618
55°	3764	3605	3409
60°	3526	3331	3124
65°	3123	2943	2749
70°	2549	2435	2568
75°	1922	1889	1697
80°	1382	1296	1296
85°	868	818	719



TEST NUMBER: P505937

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.2	3.3
10°-20°	393.6	9.7
20°-30°	611.1	15.1
30°-40°	752.7	18.6
40°-50°	783.6	19.3
50°-60°	681.4	16.8
60°-70°	457.8	11.3
70°-80°	198.2	4.9
80°-90°	36.4	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°	1140.0	28.1
0°-40°	1892.6	46.7
0°-60°	3357.7	82.9
0°-90°	4050.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4050.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1422	1422	1422	1422	1422	
5°	1424	1415	1420	1423	1421	136
15°	1396	1386	1392	1397	1397	394
25°	1327	1321	1327	1327	1325	612
35°	1209	1206	1209	1199	1194	756
45°	1036	1033	1024	1001	991	798
55°	802	788	768	738	727	713
65°	490	482	462	440	432	486
75°	185	186	182	186	163	204
85°	28	29	26	23	23	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1422.1	1422.1	1422.1	1422.1	1422.1
2.5°	1426.9	1418.1	1421.3	1426.1	1419.7
5°	1423.7	1414.8	1419.7	1422.9	1421.3
7.5°	1418.9	1412.4	1414.8	1418.1	1417.3
10°	1413.2	1406.8	1409.2	1412.4	1410.0
12.5°	1404.4	1397.2	1402.0	1405.2	1404.4
15°	1395.5	1385.9	1392.3	1397.2	1397.2
17.5°	1382.7	1374.6	1381.1	1385.1	1384.3
20°	1365.8	1360.2	1365.0	1368.2	1367.4
22.5°	1346.5	1342.5	1348.1	1348.1	1348.1
25°	1327.2	1320.8	1327.2	1327.2	1324.8
27.5°	1302.3	1296.7	1304.7	1302.3	1298.3
30°	1274.2	1270.9	1276.6	1272.6	1268.5
32.5°	1241.2	1239.6	1245.2	1237.2	1234.0
35°	1209.0	1205.8	1209.0	1198.6	1193.8
37.5°	1171.3	1168.0	1171.3	1157.6	1150.4
40°	1128.7	1126.2	1127.9	1110.2	1101.3
42.5°	1084.4	1082.0	1078.0	1056.3	1049.1
45°	1036.2	1033.0	1024.2	1000.8	991.2
47.5°	984.8	979.1	966.3	941.4	928.5
50°	927.7	919.6	905.2	877.8	864.2
52.5°	865.8	856.1	837.6	810.3	797.5
55°	802.3	787.8	768.5	738.0	726.7
57.5°	729.9	714.7	694.6	666.4	653.6
60°	655.2	639.9	619.0	593.3	580.4
62.5°	575.6	561.9	541.0	516.9	505.6
65°	490.4	481.5	462.2	440.5	431.7
67.5°	410.0	401.1	385.1	366.6	369.8
70°	324.0	323.2	309.5	296.6	326.4
72.5°	252.4	250.8	243.6	237.1	235.5
75°	184.9	186.5	181.7	185.7	163.2
77.5°	130.2	131.8	131.0	119.8	125.4
80°	89.2	89.2	83.6	79.6	83.6
82.5°	53.9	64.3	57.9	47.4	45.8
85°	28.1	28.9	26.5	23.3	23.3
87.5°	10.5	12.1	10.5	9.6	8.8
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)