

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: P505936

Luminaire Tested: **14PD-40-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505936
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-L835
Description: 4000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

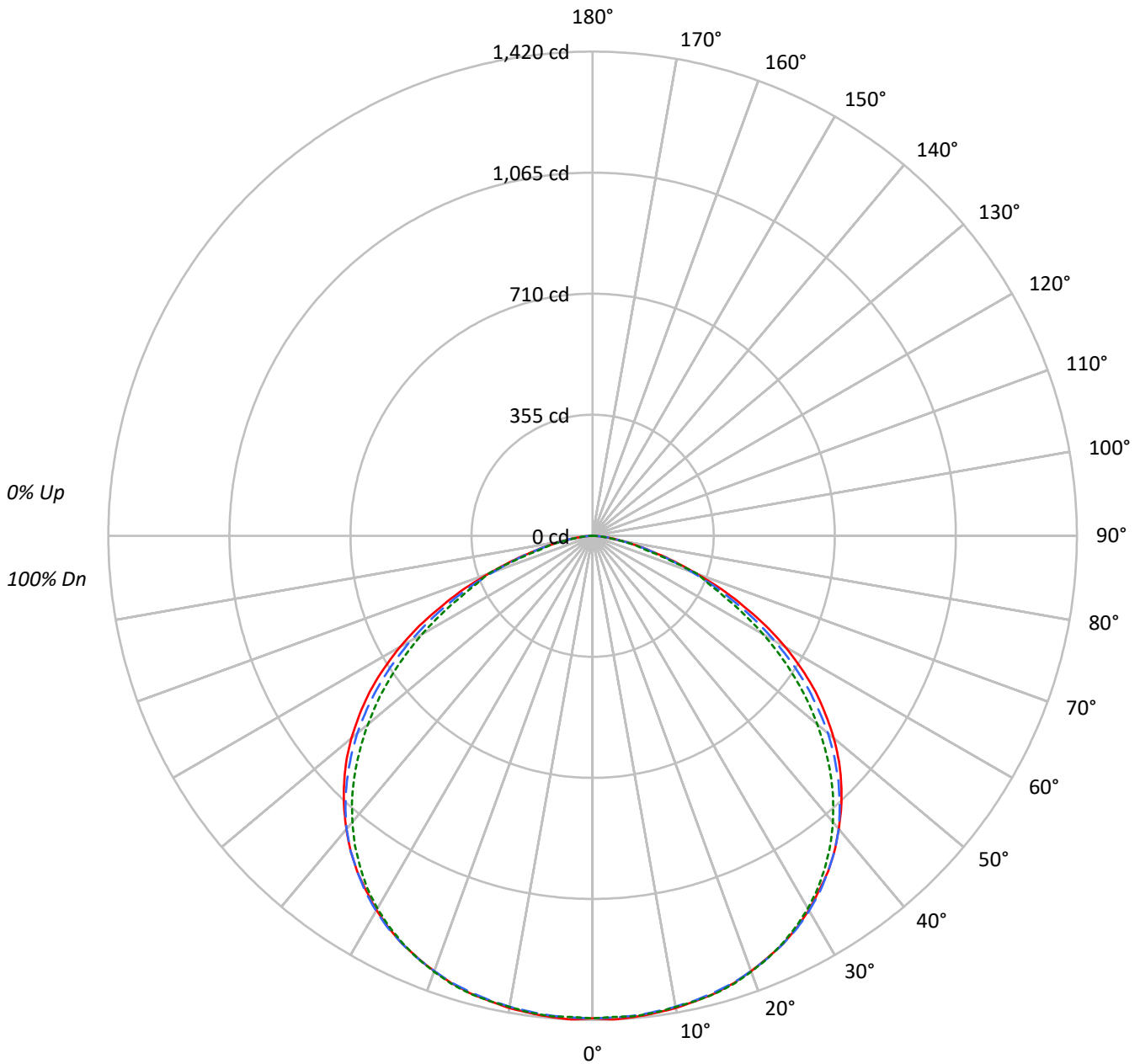
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4029.9 lumens
Efficiency: N/A
Efficacy: 106.6 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

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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°	3808	3808	3808
5°	3827	3816	3820
10°	3842	3831	3834
15°	3869	3860	3873
20°	3892	3889	3896
25°	3921	3921	3914
30°	3939	3947	3922
35°	3952	3952	3902
40°	3945	3942	3850
45°	3924	3878	3753
50°	3864	3771	3600
55°	3745	3588	3392
60°	3508	3315	3108
65°	3107	2928	2735
70°	2537	2423	2555
75°	1913	1880	1688
80°	1376	1289	1289
85°	865	815	716



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.5	3.3
10°-20°	391.7	9.7
20°-30°	608.1	15.1
30°-40°	748.9	18.6
40°-50°	779.7	19.3
50°-60°	678.1	16.8
60°-70°	455.5	11.3
70°-80°	197.2	4.9
80°-90°	36.2	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°	1134.3	28.1
0°-40°	1883.2	46.7
0°-60°	3341.0	82.9
0°-90°	4029.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4029.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1415	1415	1415	1415	1415	
5°	1417	1408	1413	1416	1414	135
15°	1389	1379	1385	1390	1390	392
25°	1321	1314	1321	1321	1318	609
35°	1203	1200	1203	1193	1188	752
45°	1031	1028	1019	996	986	794
55°	798	784	765	734	723	709
65°	488	479	460	438	430	483
75°	184	186	181	185	162	203
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°	1415.0	1415.0	1415.0	1415.0	1415.0
2.5°	1419.8	1411.0	1414.2	1419.0	1412.6
5°	1416.6	1407.8	1412.6	1415.8	1414.2
7.5°	1411.8	1405.4	1407.8	1411.0	1410.2
10°	1406.2	1399.8	1402.2	1405.4	1403.0
12.5°	1397.4	1390.2	1395.0	1398.2	1397.4
15°	1388.6	1379.0	1385.4	1390.2	1390.2
17.5°	1375.8	1367.8	1374.2	1378.2	1377.4
20°	1359.0	1353.4	1358.2	1361.4	1360.6
22.5°	1339.8	1335.8	1341.4	1341.4	1341.4
25°	1320.6	1314.2	1320.6	1320.6	1318.2
27.5°	1295.8	1290.2	1298.2	1295.8	1291.8
30°	1267.8	1264.6	1270.2	1266.2	1262.2
32.5°	1235.0	1233.4	1239.0	1231.0	1227.8
35°	1203.0	1199.8	1203.0	1192.6	1187.8
37.5°	1165.4	1162.2	1165.4	1151.9	1144.7
40°	1123.1	1120.7	1122.3	1104.7	1095.9
42.5°	1079.1	1076.7	1072.7	1051.1	1043.9
45°	1031.1	1027.9	1019.1	995.9	986.3
47.5°	979.9	974.3	961.5	936.7	923.9
50°	923.1	915.1	900.7	873.5	859.9
52.5°	861.5	851.9	833.5	806.3	793.5
55°	798.3	783.9	764.7	734.3	723.1
57.5°	726.3	711.1	691.1	663.1	650.3
60°	651.9	636.7	615.9	590.3	577.5
62.5°	572.7	559.1	538.3	514.3	503.1
65°	487.9	479.1	459.9	438.3	429.5
67.5°	407.9	399.1	383.2	364.8	368.0
70°	322.4	321.6	308.0	295.2	324.8
72.5°	251.2	249.6	242.4	236.0	234.4
75°	184.0	185.6	180.8	184.8	162.4
77.5°	129.6	131.2	130.4	119.2	124.8
80°	88.8	88.8	83.2	79.2	83.2
82.5°	53.6	64.0	57.6	47.2	45.6
85°	28.0	28.8	26.4	23.2	23.2
87.5°	10.4	12.0	10.4	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)