

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: P505941

Luminaire Tested: **14PD-40-PW1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505941
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-L935
Description: 4000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

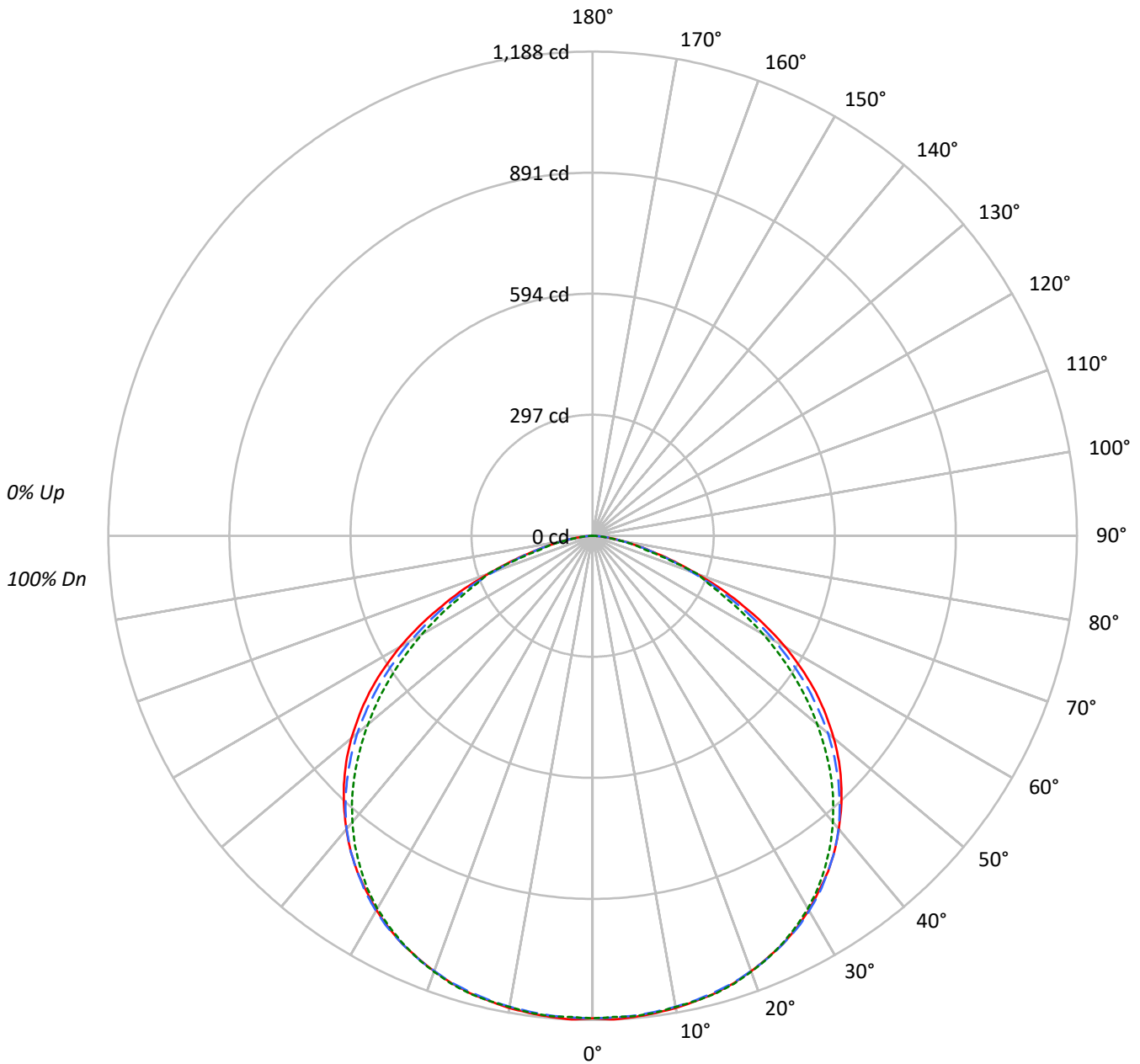
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3371.7 lumens
Efficiency: N/A
Efficacy: 89.2 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: P505941
CATALOG NUMBER: 14PD-40-PW1-L935

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°	3186	3186	3186
5°	3202	3193	3196
10°	3215	3206	3207
15°	3237	3229	3240
20°	3256	3254	3260
25°	3281	3281	3275
30°	3296	3302	3282
35°	3306	3306	3265
40°	3301	3298	3221
45°	3283	3245	3140
50°	3233	3155	3012
55°	3134	3002	2838
60°	2935	2773	2601
65°	2599	2450	2288
70°	2122	2028	2138
75°	1600	1572	1413
80°	1151	1079	1079
85°	722	682	599



TEST NUMBER: P505941

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.6	3.3
10°-20°	327.7	9.7
20°-30°	508.7	15.1
30°-40°	626.6	18.6
40°-50°	652.4	19.3
50°-60°	567.3	16.8
60°-70°	381.1	11.3
70°-80°	165.0	4.9
80°-90°	30.3	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°	949.0	28.1
0°-40°	1575.6	46.7
0°-60°	2795.3	82.9
0°-90°	3371.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3371.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1184	1184	1184	1184	1184	
5°	1185	1178	1182	1185	1183	113
15°	1162	1154	1159	1163	1163	328
25°	1105	1100	1105	1105	1103	509
35°	1006	1004	1006	998	994	629
45°	863	860	853	833	825	665
55°	668	656	640	614	605	594
65°	408	401	385	367	359	404
75°	154	155	151	155	136	170
85°	23	24	22	19	19	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1183.9	1183.9	1183.9	1183.9	1183.9
2.5°	1187.9	1180.5	1183.2	1187.2	1181.9
5°	1185.2	1177.9	1181.9	1184.6	1183.2
7.5°	1181.2	1175.9	1177.9	1180.5	1179.9
10°	1176.5	1171.2	1173.2	1175.9	1173.8
12.5°	1169.2	1163.1	1167.2	1169.8	1169.2
15°	1161.8	1153.8	1159.1	1163.1	1163.1
17.5°	1151.1	1144.4	1149.8	1153.1	1152.4
20°	1137.0	1132.4	1136.4	1139.0	1138.4
22.5°	1121.0	1117.6	1122.3	1122.3	1122.3
25°	1104.9	1099.6	1104.9	1104.9	1102.9
27.5°	1084.2	1079.5	1086.2	1084.2	1080.8
30°	1060.7	1058.1	1062.8	1059.4	1056.1
32.5°	1033.3	1032.0	1036.7	1030.0	1027.3
35°	1006.5	1003.9	1006.5	997.8	993.8
37.5°	975.1	972.4	975.1	963.7	957.7
40°	939.6	937.6	938.9	924.2	916.9
42.5°	902.8	900.8	897.5	879.4	873.4
45°	862.7	860.0	852.6	833.2	825.2
47.5°	819.8	815.1	804.4	783.7	773.0
50°	772.3	765.6	753.6	730.8	719.4
52.5°	720.8	712.7	697.3	674.6	663.9
55°	667.9	655.9	639.8	614.4	605.0
57.5°	607.7	595.0	578.2	554.8	544.1
60°	545.4	532.7	515.3	493.9	483.2
62.5°	479.2	467.8	450.4	430.3	421.0
65°	408.2	400.9	384.8	366.7	359.4
67.5°	341.3	334.0	320.6	305.2	307.9
70°	269.7	269.0	257.7	246.9	271.7
72.5°	210.1	208.8	202.8	197.4	196.1
75°	153.9	155.3	151.2	154.6	135.9
77.5°	108.4	109.8	109.1	99.7	104.4
80°	74.3	74.3	69.6	66.3	69.6
82.5°	44.8	53.5	48.2	39.5	38.1
85°	23.4	24.1	22.1	19.4	19.4
87.5°	8.7	10.0	8.7	8.0	7.4
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)