

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: P505924

Luminaire Tested: **14PD-40-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505924
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-40-PL1-L940
Description: 4000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

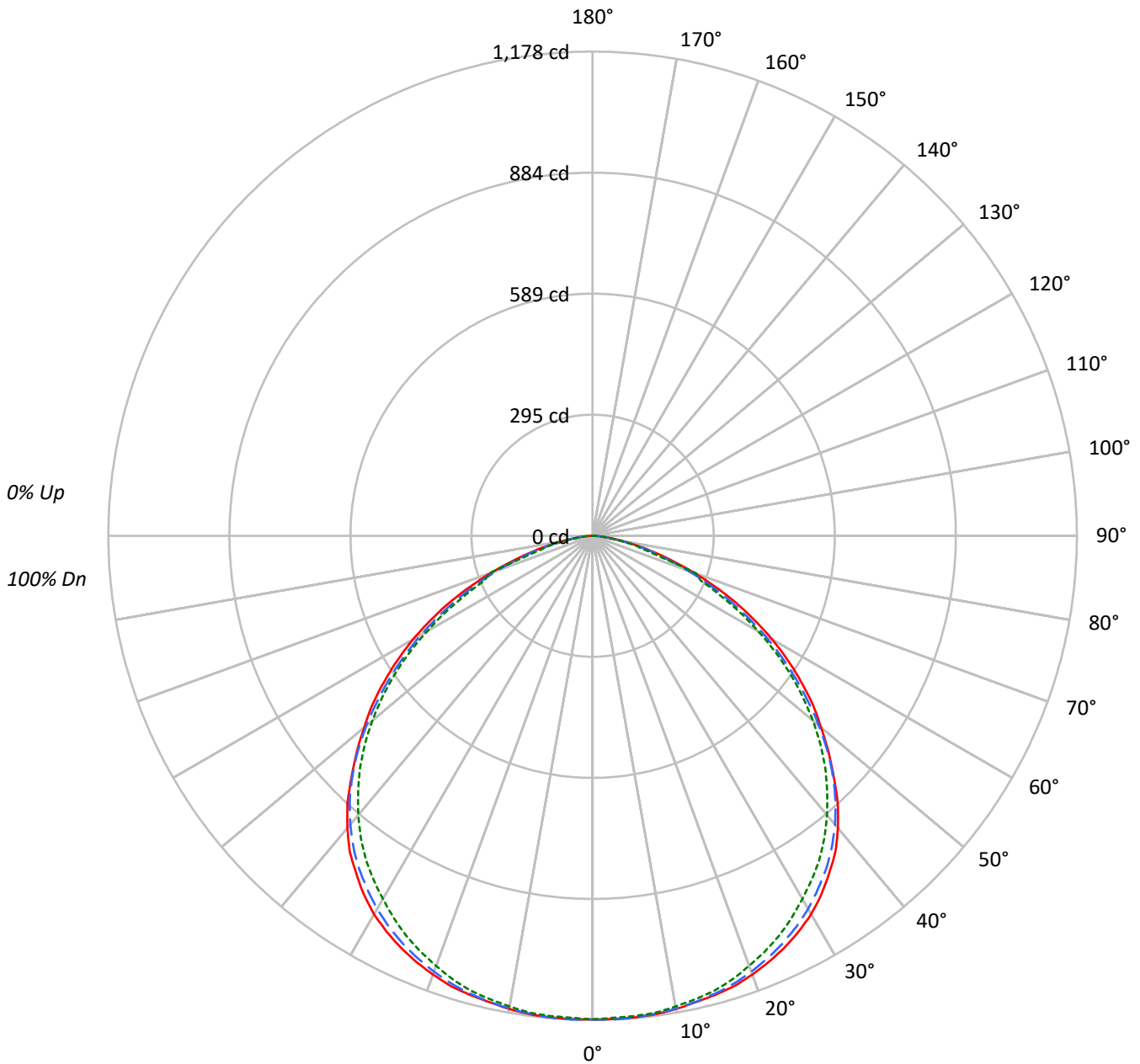
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3270.8 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
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: P505924
CATALOG NUMBER: 14PD-40-PL1-L940

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	98	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	78	84	79	76	81	77	74	72			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3167	3167	3167
5°	3177	3179	3168
10°	3195	3191	3177
15°	3221	3212	3192
20°	3253	3231	3189
25°	3281	3249	3187
30°	3303	3257	3171
35°	3295	3253	3159
40°	3260	3221	3115
45°	3155	3146	3045
50°	3036	3008	2927
55°	2905	2820	2756
60°	2713	2591	2504
65°	2444	2292	2169
70°	2044	1917	2105
75°	1613	1552	1343
80°	1162	1032	1052
85°	738	618	577



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.9	3.4
10°-20°	325.2	9.9
20°-30°	502.9	15.4
30°-40°	615.5	18.8
40°-50°	630.9	19.3
50°-60°	537.4	16.4
60°-70°	359.1	11.0
70°-80°	159.1	4.9
80°-90°	28.8	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°	940.0	28.7
0°-40°	1555.4	47.6
0°-60°	2723.7	83.3
0°-90°	3270.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3270.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1177	1177	1177	1177	1177	
5°	1176	1174	1177	1176	1173	112
15°	1156	1152	1153	1150	1146	327
25°	1105	1101	1094	1080	1073	510
35°	1003	1000	990	968	962	627
45°	829	832	827	808	800	640
55°	619	616	601	589	587	552
65°	384	381	360	344	341	378
75°	155	157	149	150	129	168
85°	24	23	20	19	19	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1176.8	1176.8	1176.8	1176.8	1176.8
2.5°	1176.8	1174.9	1178.1	1179.4	1173.6
5°	1176.2	1173.6	1176.8	1176.2	1172.9
7.5°	1174.2	1169.7	1172.9	1171.7	1170.4
10°	1169.1	1165.2	1167.8	1165.8	1162.6
12.5°	1162.0	1159.4	1161.3	1159.4	1154.8
15°	1156.1	1152.3	1152.9	1149.7	1145.8
17.5°	1148.4	1142.6	1142.6	1136.1	1131.6
20°	1136.1	1130.9	1128.4	1119.3	1113.5
22.5°	1121.9	1118.0	1112.8	1101.2	1094.7
25°	1105.1	1101.2	1094.1	1079.9	1073.4
27.5°	1085.7	1080.5	1072.8	1056.0	1048.2
30°	1063.1	1056.6	1048.2	1029.5	1020.4
32.5°	1035.3	1030.8	1019.8	1000.4	992.0
35°	1003.0	1000.4	990.1	968.1	961.6
37.5°	970.0	964.9	955.8	932.5	926.1
40°	928.0	924.8	917.0	894.4	886.7
42.5°	882.8	880.8	874.4	853.0	844.6
45°	829.1	831.7	826.6	807.8	800.1
47.5°	778.1	776.8	774.9	758.1	751.6
50°	725.1	722.5	718.6	705.1	699.2
52.5°	675.3	670.2	659.8	648.2	644.3
55°	619.1	615.9	601.0	588.7	587.4
57.5°	562.2	560.3	542.2	528.0	528.0
60°	504.1	501.5	481.5	466.6	465.3
62.5°	443.3	441.4	420.7	403.9	404.6
65°	383.9	380.6	360.0	343.8	340.6
67.5°	321.8	320.5	300.5	285.6	284.3
70°	259.8	259.8	243.6	230.7	267.5
72.5°	204.9	202.9	190.0	184.2	175.8
75°	155.1	157.0	149.3	149.9	129.2
77.5°	110.5	107.3	104.0	96.9	102.8
80°	75.0	73.0	66.6	64.6	67.9
82.5°	46.5	47.2	41.4	37.5	36.8
85°	23.9	23.3	20.0	19.4	18.7
87.5°	9.0	9.7	8.4	7.8	7.1
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)